THE SHEET STATE OF THE STATE OF

HARLY V. COUNTRICHT CONTRICTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 608.—Vol. XVII.

LONDON, SATURDAY, APRIL 17, 1847.

PRICE 6D.

ULPHUR.—TO BE SOLD, RODGERS'S PATENT FOR THE SEPARATION OF SULPHUR FROM MINERAL SUBSTANCES. Apply to Mr. PRILLIPS, 2, Duke-street, Adelphi, Loudon.

TEAM-ENGINE FOR SALE.—A capital CRAIG'S
PATENT ROTATORY STRAM-ENGINE TO BE SOLD.—Inquire of W. P. Strave
6. Swanzes; or of Mr. Charles Berkeley, solicitor, 59, Lincoln's Inn-fields, London,

Swanses; or of Mr. Charles Berkeley, solicitor, 52, Lincoln's Inn-neide, London, ARGE PUMPING-ENGINE.—TO BE SOLD, BY PRIVATE CONTRACT, at GODOLPHIN MINES, Helston, Cornwall, one 80-inch spires-engine, 10 feet stroke in the cylinder, and 8 feet in the shaft, with three tubustiers of about 25 tons, a balance-bet and top-jelece of rold to each. This excellent ine was erected by one of the first engineers in the country it he sir-pumps are lined horase, and the whole of the machinery possesses great strongth and durability. It done a "duty" equal to the first in Cornwall, and is well worth the attention of any deman or company requiring such a powerful machine. The engine will be sold to frithout the botters, beisnec-bobs, &c., as may best suit the purchasers.

30 pollocation to be made to Capt. R. Williams, on the mines.

ERIONETHSHIRE.—TO BE LET, for a term of years, a MINING SETT, containing several highly mineral lodes, and particularly one management of the considerable depth; has been anamous according to the considerable depth; has been anamous considerable depth; has been anamous

INERAL PROPERTY IN CARDIGANSHIRE. DISPOSED BY, a FREHOLD ESTATE, within 16 miles of ABERTSTWITES latable property, in the centre of a rich mining district; or the MIMERALS would be a moved to the centre of a rich mining district; or the MIMERALS would be a mining the contract of the lead ore extracted may a mining of the lead ore extracted may a mining of the mining the mining of the mining the mining of the mi

A VERY IMPORTANT INVESTMENT—SOUTH STAFFORDSHIRE.

A VERY IMPORTANT INVESTMENT—SOUTH STAFFORDSHIRE.

INES OF COAL. IRONSTONE, AND LIMESTONE, at BENTLEY, between WOLVERHAMPTON and WALSALL.

TO BE LET, and may be ENTERED UPON and SET to WORK IMMEDIATELY, the BE NTLEY I RON-WORK S,

AND MINES OF COAL, IRONSTONE, LIMESTONE, SAND, AND FIRE-CLAY. The IRON-WORKS consist of FOUR BLAST-FURNACES, with TWO BLAST-ENTANCES, with all the necessary apparatus for heating the blast, upon the most improved rinciple; a large and extensive FOUNDBY, with powerful cranes, pipe pits, stoves, air-ranace, &c., with smiths 'shops, pattern—makers' abops, HIGH-PRESSURE ENGINE, by working a boring-mill, lathes, &c.

Together with the MINES of COAL, IRONSTONE, LIMESTONE, SAND, and FIRELAY, and RED BRICK CLAY, lying under about 611 acres of land—all in a ring fence, without any interessibility property, and adjoining the blast-furness, upon which is now recided a large and valuable water, or mine, engine, of sufficient power to drain the photo of the mines, Also, Five WINDING-ENGINES, with numerous shafts sunk own to the various mines, which consists of—

THE BINDS
THE BLACK GUBBIN BROWNSTONE NEWMINE ROUGH HILL, or ROBIN GUBBIN

tions of the mines, may be a to Messrs. Vizard and Lema troughton, and White, solici

O BE LET, the PARK-HILL MINES, DEAN FOREST GLOUCESTERSHIRE—containing ONE MILLION TONS OF COAL, and ON LION TONS Of viola IRON ORE, which, being calcareous, smelts well with argilla tougation, and may be distreged in lar GLOUCESTERISHIRE—containing ONE MILLI LIJOR TONS of rich IRON ORE, which, being cales as ironstone, and may be delivered in large quantities I Welsh from-works, at a price for below, the cost of I makle by level, and can be opened at a trifling cap tod, their produces might be amelted on the spot int d) to Henry H; Fryer, Esq., solicitor, Coleferd, Glone

O CAPITALISTS CONNECTED WITH THE IRON

FORGES DE LA RISLE IN PONT-AUDEMER. HES DIE LA RESILE IN CONT. The present proprietors havin agaments, is the sole cause of their being parted with. The most sa will be given to parties who may be really destrous of purchasing sy wish to realize good interest-for their capital, with little or no risk to the control of the realized parties. The whole establishment has been

Further particulars may be obtained by applying to Mr. Johnson, at the works; or of Mr. Favrin, No. 144, Avenue des Champs Elysées, Paris.

CPLENDID PROPERTY.—TO BE SOLD, the beautiful DOMAIN of the CHAMET, situated at half an hour a distance from the town of a second war and the other half an account of the CHAMET, situated at half an hour a distance from the town of a second war arable land, large gardens, overlaws, and vineyards, and the other half in restland. Two excellent HESIDENGES, with nulscently specious apartments for two smallies, and a detached HOUSE for the farmer. A large FARMHOUSE, having barns, tables, green-houses, and a bee-live. This lettles by its situation, being a little above to Lake of Neufented, which it commands, shell, of the same time, on the borders of the excest, offers one of the most delightful retreets, and the view which is enjoyed from the excest, offers one of the most delightful retreets, and the view which is most categories which present themselves on the banks of the lake; in the distance is the agnificent panorams of the chair of the Alpe of Senits (Appensed) to Mont-Blanc, which is justify appreciated as one of the finest views of Switzerland. The disposory of the property refer parties for its description to the exteemed "Traveller's Guide in Switzerland," by Edd. They will enter into an agreement for the sait of the domain between the and of the domain between the said of the domain between the late of June, with the purchaser who may offer them satisfactory terms.

TWENTY POUNDS REWARD will be GIVEN BY Mr. THOMAS BELL, of GREAT POLGGOOTH MINE, ST. AUSTELL, to any ERSON who may give such IMPOEMATION as shall LEAD to the DISCOVERY and DIVICTION of the WRITER of an ARTICLE in the "MINING JOURNAL" of the Inst., signed "Thomas Penhall Smith." St. Austell, April 14, 1847.

WILSON & FRASER, 2, WELLINGTON-BUILDINGS LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALJPIG-IRON, BAR-IRON, BAILWAY CHAIRS, and RAILWAY BARS.

DANWEN IRON COMPANY.—Notice is hereby given, that the directors of this company have to-day made a further CALL of TWO POUNDS or share, which the shareholders are requested to PAY in to the bankers of the company, Massra. Spooner, Attwood, and 60, "6, Grasschurch-street, London, on or before the

DRITISH IRON COMPANY (Old Company, established 1825).

—Notice is hereby given, that this COMPANY being about to be DISSOLVED, nder the Act 7 and 6 Victoria, cap. 45, all PERSONS INDEBTED to the company are quired for the with the AMOUNT due from them; and all PERSONS having any LAIMS on the company are required to SEND in the SAME to me, at the New British on Company's offices, South Sea House, London, preparatory to the final liquidation of the company saffairs.

By order of the directors,

ROBERT 3MITH, Secretary 2

LYNVI IRON COMPANY—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of shareholders will be HELD at once on Wednesday, the 31st inst, at Twelve o'clock precisely, for the purpose of horizing the division of shares of £20s, in conformily with the clause of the company's Act.

1, Bloograte-street, London, April 12, 1847.

1, Worder of the board.

1, Worder of the Street, London, April 12, 1847.

1, Worder of the Street, London, April 12, 1847.

DATENT GALVANISED IRON COMPANY .- Notice is hereby given, that a SECOND EXTRAORDINARY and SPECIAL MEETING of company will be HELD at the London Tavern, Bishopsgate-street, at Two o'clock siely, on Tuesday next, the 90th April inst, to confirm (or otherwise) the resolutions sed at an Extraordinary and Special Meeting, held on Tuesday, the 18th inst., for the poses of altering and extending clause 90 in the Deed of Settlement; and of enacting in other clause, or clauses, necessary to comer further powers on the directors, in re-By order of the board, use-place, London, April 14, 1247.

DATENT GALVANISED IRON AND WIRE ROPE WORKS

ANDREW SMITH begs to inform the Mining, Railway, and Shipping interests, that has obtained a PATENT for an IMPROVED METHOD of GALVANISING IRON, proteing a much superior article at a considerable saving in cost—the improved process for avanising wire rope, adding only £10 per ten instead of £20, under the ordinary process. The rope is extensively used in damp situations, for mining and railway pur oses, and for ships' standing rigging.—Mr. I, T. Tregellas, Truro, agent for Cornwald.

TEAM-ENGINE.—Published this day, in 1 vol., royal 12mo., price 3s. 6d., PART I., of A SHORT TREATISE ON THE STEAM-ENGINE adapted to the Use of Schools, in which are given, PRAOTICAL RULES FOR THE USE OF ENGINEERS. By JAMES HANN, A. I., E., of King's College.

Fart II., completing the work, in the press.

John Weale, 9s. High Holborn.

STEAM TO INDIA VIA EE YPT, MALTA, ITALY,
ALEXANDRIA, AND THE PERINSULAR PORTS.
PASSAGE TO BOMBAY, MADRAS, AND CALCUTTA.
The Peninsular and Oriental Steam Navigation Company BOOK PASSENGERS for CEYLON, MADRAS, and CALCUTTA direct, by steamers leaving Southampton on the 90th, and for Alexandria, as route to Bombay, on the 1st of every month.
A steamer from Southampton-leaves the 1st and 30th of every month for Malta, whenex are steamers to Naples Genos, Civets Vecchis, three times a month.
STEAM TO CORUNNA, OPORTO, VIGO, LISBON, CADIZ, AND GIBRALTAR.
A steamer leaves Southampton on the 1th, 17th, and 27th of every month.
Apply at the Peninsular and Oriental Steam Navigation Company's offices, 51, St. Mary Are, London, where only passages can be secured throughout.

COOM BE VALLEY SLATE COMPANY.

Capital £5000, in;1000 shares, of £6 each.—Deposit £1 per share.

CONDUCTED ON THE OST-BOOK SYSTEM.

OFFICE, No. 5, WHIFEFFIAM-STREET, CITY, LONDON.

Messrs. Williams, Deacsn, and Co., bankers.

The public is respectfully informed, that, in pursuance of a resolution, passed at the meeting of shareholders, held at the office, on Thursday, the 5th inst., that the SHARES will be ALLOTTED on the ABOVE TERMS, during the present month only, by personal application being made at the office of the company; or of Mr. J. Lane, 75, old Proad-street, City.

C. S. RICHARDSON, Secretary. on the ABOVE TERMS, during the present month only, by pering made at the office of the company; or of Mr. J. Lane, 75, Old C. S. RICHARDSON, Secretary, eet, Fleet-street, London, April 15, 1847.

CAMBRIAN ANTHRACITE IRON COMPANY.

(PROVISIONALLY REGISTERED.)

Capital £200,000, in 20,000 shares, of £10 such.—Deposit is, per share, pursuant to 7 and 8 Victoria, cap. 110.

On formation of the company, a call of £1 ser share to be made—the remainder (if necessary) in instalments, not exceeding los, per share.

It is proposed to apply for an Act of Incorporation for various powers, and to limit the liability of the shareholders.

An agreement has been entered into for the leasing of considerable mines in the western portion of the South Wales Mineral Basin, together with the machinery, steam-engine, railroad, trans, camin barges, &c., at a very reasonable rate. The public are invited to inspect the maps and sections of the mines, and the entire of country-lane, city, where applications for shares may be made, and further information obtained.

GEORGIA TIN MINES, divided into 2048 shares, and worked ON THE COST-BOOK SYSTEM.

The necessary arrangements having been made for carrying out the operations of the company, all future communications are requested to be addressed to the offices of the company, 1, THROGMORTON-STREET, LONDON, where the specimens and plans, with the correspondence, may be seen.

JORTH WALES MINING COMPANY.

Dided into \$2,500 shares—limited to 101, such, and carried out upon the Cost-Book System, with a deposit of \$2,100. per share.

OFFICES—No. 2, NEW BEOAD-STREET, LONDON.

The company will be carried on inder the system known in Corrwall as the "Cost is System," whereby the shareholders have the peculiar advantage of determining at time their liability by a relinquishment of their shaling and by a clause in the Cost is no further call bely and the 21.10s. will be made until after a dividence—declared of the profits of the undertaking.

ed to seek information at the offices of the company, No. 2, New

A SSAYING AND ANALYSIS.—Mr. MITCHELL begs inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MANUF! TORRES, that he still continues to CONDUCT ASSAYS and ANALYSES of all PP DUOTS, metallurgical and manufacturing, at his LaBORATORY, 23, HAWLEY-ROAD, RENTIER TOWN, LONDON, to which address communications are to be forwarded.—Instruction in all branches assaying and analysis as usual.

THE PATENT SAFETY FUSE.

FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARINE OPERATIONS.—This article affords the SAFEST, CHEAPEST, and most EXPEDITIOUS MODE of effecting this very heardous operation. From many testimonies to its usualness with which the manufacturers have been favoured from every part of the king don, they select the following letter, recently received from John Taylor, Eag., F.E.S., Ec.:—"I am very glad to hear that my incommendations have been of any service to you; they have been given from a thorough conviction of the great usefulness of the seasy From a and I am quite william the season of the great usefulness of the

WANTED.—AN ENGINEER, who has been employed to carry out several PATENTED INVENTIONS, wishes to meet with SIMILAR EMPLOYMENT: he has several mechanical improvements of importance, which he also whates to introduce to the public.—Address (post-paid) to "A. B. C.," Mining Journal Office, 26, Fleet-street, London.

O MINE ADVENTURERS.—A respectable YOUNG MAN, who has had considerable experience in Cornwall for the last nine years, as a USAYER OF COPPER, SILVER, LEAD, TIN, RON, &c., and also a general knowledge is MELTING and PRACTICAL MINING, OFFERS his SERVICES to any GENTLEMAN F-COMPANY, concerned in the above branches. He has been abroad, and is acquainted with the Sparting and has no objection to go again—especially to South Australia.—Letters (post-paid), indivassed to Mr. James Lane, 75, Old Broad-street; or a he office of the Mining Journal, 26, Fleet-street, London, will receive every attention. April 10, 1847.

MESSRS. J. PAINTER AND CO. SHAREBROKERS, MINING AND GENERAL AGENTS. 20. CASTLE-STREET, LIVERPOOL. AFFORD EVERY INFORMATION as to the STATE of the MARKETS, PRICES,

JAMES BLACK & CO., STOCK AND SHARE BROKERS,
PRODUCE AND COMMISSION AGENTS,
ALLIANCE LIFE AND FIRE ASSURANCE COMPANY'S OFFICE,
T, ADELPHI-COURT, ABERDEEN.

MR. R. TREDINNICK, MINING AGENT AND DEALER IN EVERY DESCRIPTION OF SHARES. THREE KINGS COURT, LOMBARD-STREET, LONDON.

THOMAS P. THOMAS, MINE AGENT, AND DEALER IN RAILWAY AND OTHER SHARES.

18, THREADNEEDLE-STREET, LONDON.

30

MINING OFFICES, 1, ST. MICHAEU'S-ALLEY, CORNHILL, LONDON.

VATSON AND CUELL, MINE AGENTS.—

N.B.—STATISTICAL INFORMATION farnished (on application) to SHARE, HOLDERS in MINES in Cornwall, Devon, Scotland, Ireland, Wales, and Spain.

WILLIAM H. SMITH, MINING SHARE AGENT, 10, WARNFORD-COURT, THROGMORTON-STREET, WHEAL LOUISA, WHEAL LOUISA, WHEAL BLENCOWE, WHEAL MARY PENTUAN, WHEAL MARY PENTUAN, S. Every information will be afforded on application.

MESSRS. LINTHORNE, JONES, AND CO., STOCK, MINING, AND SHARE AGENTS,

\*\*Every information will be afforded as to the markets and prices of the above, by application (post-paid) at their offices,

48, THREADNEEDLE-STREET, LONDON.

MR. I. A. JOSEPH, STOCK, SHARE, AND GENERAL MINING AGENT,
7, BANK CHAMBERS, LONDON.

N.B.—A few SHARES in the TOL PETHERWIN MINE FOR SALE.—FURCHASER of ALFRED CONSOLS and WHEAL MARIA (Haylo).

JONATHAN DAVEY, MINE AGENT, SURVEYOR, AND

SHAREBROKER,

MATTHEW-STREET, TAVISTOCK.

pected, and reported est, at the shortest notice;

dialling performed, by day or contract.

JAMES LANE, MINING SHARE DEALER 75, OLD BROAD-STREET, LONDON.

MESSRS. WINSTANLY AND CO., SHAREBROKERS, Inform their friends and the public, they BUY and SELL every description of RAILWAY SHARES on the most advantageous terms; they also make advances upon the deposit of scrip and shares for periods as may be agreed.

6, Bank Chambers, City.

MINING ADVENTURERS' SUBSCRIPTION ROOM,
AND REGISTRY OFFICE,
FOR THE SALE AND PURCHASE OF MINING SHARES.
CROSSMAN, SOMMERS, & CO., AGENTS,
No. 28, THREADNEEDLE STREET, LONDON. 38

ORNISH MINES.—The evils attendant on the too frequent

ORNISH MINES.—The evils attendant on the too frequent practice of brokers being also speculators and mine jobbers, are daily acknowledged by the adventurers in Cornish mines. Such brokers are in the habit of watching the market and purchasing on private speculation, as prices of sharres rise or fall, and thus absorb the greater part of that profit which should come into the hands of the boxes fide adventurer. It is admitted that it would be highly desirable to check this practice, with which view the advertiser presents himself to the notice of the mining public, and solicits their support as a COMMISSION AGENT, through whom sales and purchases of mining shares can be effected with the certainty of the full price in every instance being paid to the seller, subject only to a fixed commission of 5 per cent, on all sales not ax ceeding £30; of 24 per cent, on all shares exceeding £30 and not exceeding £30; and 14 per cent, on all sales above that amount.

The testimonials which, through the kindness of his friends and supp TREGONING can offer to the public, will afford a satisfactory assurance that he will not, under any circumstance, become a speculator or mine ju-racily or indirectly be possessed of a share in any mining adventure.

purposes OPENING a MININ OF THE ADMINISTRY OF TH

Tresavean Treviskey and Barrier Wheal Comfort

Gwinear Consols Wheal Lemon Wheal Dyke West Wheal Seton eal Andrew and Nangiles, Burthy Mine Great Callestock Moora Wheal Trerew Rose Consolls West Wheal Providen Wheal Maria (Tin)

CONSOLIDATED TRETOIL MINING COMPANY. Mining Offices, 8, George-yard, Lembard-street, April 6, 1847.

SOUTH FRIENDSHIP WHEAL ANN MINE.—A FEW FORFEITED SHARES in this MINE FOR SALE.—For particulars apply to Mesara Crosamas, Sommers, and Go., Mining Adventurers' Subscription Hoose, No. 28, Threadneedle-street, London.

TINCROFT MINING COMPANY.—Notice is hereby given, that the ANNUAL GENERAL MEETING of the shareholders will be HELD on fiday, the 30th of April, at 44, Finabury-square, at Two o'clock precisely.

4.2

TRELEIGH CONSOLIDATED MINING COMPANY.—
Notice is hereby given, that a DIVIDEND of SIX SHILLINGS per share, being 5 per cent-upon the paid-up capital, has been declared by the directors, and that the same will be PAID at the office, on Monday the 3d of May next, and on every subsequent Monday, between the hours of Eleven and Three. The certificates will be required to be left two clear days, for the purpose of being marked.

87, Old Broad-street, April, 1847.

WHEAL WALTER, DEVON.—Notice is hereby given, that a SPECIAL CENERAL MEETING of the shareholders, or adventurers, in the above mine, will be HELD at 4, King-street, Cheapaide, London, on Thursday, the 52d day of April, 1847, at Two o'clock in the afternoon precisely.

WALTER WEEKES, Purch.

WEST WHEAL JEWEL MINING ASSOCIATION.
Notice is hereby given, that the ANNUAL GENERAL MEETING will be HE
at the company's offices, as under, on Monday, the 10th May next, at Twelve for office precisely.

By order,
57, Old Broad-street, April 19, 1847.

VENTILATION, ANIMAL CHARCOAL, AND CARBOMACEOUS MANURE COMPANY.

COMPANY.

Registered Processorsly, as per 7 such 9 Fictoria, cop. 106.

company is promulgated in order to bring into use a series of processes (patented likem Radley, Ch. E. Seq., in 1845, in conjunction with the Western Gas-Light my, and repudiated by them upon the advice of their engineer, whose annual stransfer endangered for the production, purification, and application of Olderned by the destructive distillation of bones and animal refuse, from maich sources if the metropolic can'be lighted.

Company, and repudiated by them upon the advice or their cuginers, whose aminor pend was thereby endangered) set the production, purification, and application of Oligas, formed by the districtive distillation of bones and animal refrace, from which sources the entire metropolic case be lighted.

The company can afford to vend better gas the provide the company as a flow of the company as a flow of the company as a flow of the company has claims to be supported in its objects, may be gathered from the fallowing facts—the accuracy of which can be, by the patentee, incontestibly established:

1. The quantity of bones found weekly, within the two-penny post circuit of the metropolis, averages 425 tons, about one-half of which only is now available.

2. Every 3 tons will yield 2 tens of animal charcoal, worth £50; 5 covers of fast, worth £51; 3 covers of the basis of sal ammoniace, worth £7 10s.; 2 covers. of cyanogen (the principle of Prinssian bluo), worth £10.—Total, £45; 10s.

Cost of bones (reckoned at 25 per cent. above market price), £30.

Labour, fuel, &c., &c. 16s.—leaves £16; 16s. not profit.

3. As every ton of bones will likewise yield 6740 cubic feet of old gas, we shall also have, in addition to the commercial products, upwards of 30,000 cubic foot of digas—not only free of cost, but 35 per cent. absolute profit given in.

4. The present manufacturers of animal charcoal do actually, accidentally, produce half of this quantity of gas from a tens of bones, but throw it away as worthless.

5. From this source, without the use of one ton of coal—it.e., from the whole, aggregate of 842 tons of bones, nearly 300,000,000 of cubic feet of rich oil gas may be, with certainty, annually obtained—worth, at in sterling value, £200,000—plus £100,000, the creating periodicts of its generation.

6. Profitseor Faraday has lately applied to the new palace, at Westminster, some of the feet valuable principles of ventilation conceived by Mr. Radley, rease ago, and matered and patented in 1846—which all pronounce a praisew

lare to be superior to guano, will open new and extensive markets for the subsidiary products of the company.

From these data it will be seen, that this patent not only forms a fit object for the employment of a large and combined capital, but is likewise entitled to the patronage of the holle, the wealthy, and reinfille.

As a committee of promoters at present only exists as the nucleus of the future company, gentlemen of influence are invited to form the directory, and nominate the usual efficers.—A prospectus, and other documents, may be obtained at the temporary officer of the promoters, No. 11, Poultry, where the engineer and patentiee may be seen every thursday, at Two to Four o'clock.

By order of the committe,

Central Gas Office, 11, Poultry, City, April 15, 1847.

GEO. DUNKLEY, Sec.

OFFICE FOR PATENTS, 7, STAPLE INN, HOLBORN
J. MURDOCH (successor and late assistant to Mr. Hebert)
Islorms INVENTORS and PATENTEES, that, at his OFFICE, they can obtain
REFERENCE TO A CLASSIFIED LIST OF PATENTS,
(TRE CNLY ONE EXTANT), which shows at one view all the Patents ever granted for any
particular object, whereby they may save much trouble and expense, and procure intermation not otherwise obtainable. BRITISH and FOREIGN PATENTS OBTAINED,
and USEFUL and ORNAMENTAL DESIGNS REGISTERED.
SPECIFICATIONS carefully propared, and REPORTS of ENROLLED SPECIFICATIONS furnished on moderate terms.
FINISHED and WORKING DRAWINGS executed with accuracy and dispatch.

NO BREWING UTENSILS REQUIRED.

PATENT CONCENTRATED MALT AND HOP EXTRACT

enables PRIVATE INDIVIDUALS to MAKE

FINE HOME-BREWED ALE,

WITHOUT EMPLOYING ANY BREWING UTENSILS.—It has only to be dissolved in
not-water and fermented.—Sold, in Jars, for medicinal and other purposes, at is, and
s. 6d.; and in bottles for brewing 9 to 18 gallons and upwards of ale, at 6s. 6d. and
2s. 6d. each, by the

BRITISH NATIONAL MALIF EXTRACT COMPANY.

, Nicholas-Lawr, Lohnard-Street; Petty, Wood, and Co., 53, Threadneodic-street; Vk and Sons, 23, Leadenhall-street; Batty and Co., 15, Finebury-pavement; De Castrond Peach, 65, Piccadilly; Hockin and Co., 38, Duke-street, Manchester-square; and eli-

Also, just published, and may be had gratis;

NATIONAL BREWING: A GUIDE to the USE of CONENTRATED MALT AND HOP EXTRACT, for BREWING and WINE MAKING;
which is added, MEDICAL OPINIONS relative to the virtues of mait and hops.

NTRATED MALT AND HOP EXTRACT, for bine-visus of mait and hops.

The Nineteenth Edition, price 2s. 6d.; free by post, 3s. 6d.

THE SILENT FRIEND: a medical work, on the concealed cause of constitutional or sequired debility, loss of muscular energy, and derangement of the generative system, nervous debility, constitutional weakness, excessive inigeness, &c.; with Observations on Marriage, &c. By R. and L. PERRT and Co., sm. oss, London. Published by the suthors, and sold at their residence; also by Strange, Paternoster-row: Hannay & Co., 33, Oxbrd-street; Nobel, 108, Chancery-lane, Gor, Faternoster-row: Hannay & Co., 33, Oxbrd-street; Nobel, 108, Chancery-lane, Gor, Part I. of this work is subtressed to those who are prevented from forming a maltimed alliance, and will be found an available introduction to the means of perfect and described the substance of the

GORDIAL BALBO O SYRIACUM is a summant and removator in an exact command or exquired debility; by its use the whole system becomes restored to a healthy organisation. Sold in bottles, price 11s. and 33s.

CONCENTRATED DETERBIYE ESS SENCE.—An anti-syphilitic remedy for any out and parifying the blood from venereal contamination, sourcy, blotches on the see, and body, utcerations, and those painful affections arising from improper treaters the effects of naccurry, or secondary symptoms. Price 11s. and 33s. per bottle;

45 cases.

ERRY'S PURIFYING SPECIFIC PILLS are perfectly free from mercury, capalva, other deleterfous drugs, and may be taken with safety without interference with or of time from business, and may be relied upon in every instance. Sold in boxes, at 504, 4s. 6d., and His cach, by all medicians venders—of whom may be had the Silent set—Hessers. R. and L. Perry and Co. may be consulted at No. 19, Berners-street, ent-street, business.

N NERVOUS DEBILITY & GENERATIVE DISEASES.

acal coloured engravings. \*\*RANDODE: the Causes of its Pressure December, which is Directions in the Ferther Retoration." A medical essay on those diseases of the internitive organs, emansting from solitary and sedentary habits, indicatinate excesses, see effects of climats, and infection, See, addressed to the sufferer in Youth, Manhood, at Old Age; with practical remarks on marriage—the treatment and care of servous demands of the property of the property of the servous most shattered constitution may be restored, and reach the full period of life allotted man. The valoe illustrated with numerous anatomical engravings on steel, in colour, plaining the various functions, secretions, and structures of the reproductive organs in y. J. L. CURTIS and CO., Consulting Surgeons, 7, Frith-street, Soho-square, Lordon. REVIEWS OF THE WORK.—" Manhood: \* a medical work. To the gay and oughtless we trust this little work will serve as a beacon to warn them of the danger tendant upon the too rash fundingence of their passions, whilst to some it may serve as monitor in the hour of temptation, and to the afflicted as a sure guide to health—" remoter "we feel on healtidion in saying, that there is no member of society by whom a book will not be found useful—whether such person hold the relation of a parent; a complete of a cleasy of a "Sim, Econdar Paper." "Cartis on Manhood should be in chands of youth and old age. It is a medical publication, ably written, and developes the health of the complete of the prey of the limited such the designing.—" United Service Gassie.

Published by the authors, and may be had at their residence: sold also by Strange, 21, temoster-row; Hasinay, 63, Oxford-street; Mann, 39, Corninill, London; Sowier, 4, Ann's square, Manchaster, Philip, South Castle-street, Liverpool: Campbell, 166, 199, estreet, Glaggow; Robinson, 11, Greenside-street, Edinburgh; and, in a sealed enough by all booksellers.—Heners Cartis and Co. are to be consulted daily at their relation of the presence of the United Kingdom,

ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY,

CARDINAL AND CENTRAL BONE GAS-LIGHT, PROTECTION OF BUILDINGS, &c., FROM THE EFFECTS OF

PROTECTION OF BUILDINGS, &c., FROM THE EFFECTS OF DISCHARGES OF ATMOSPHERIU ELECTRICITY.

A fecture on this interesting aships we delivered at the Western Literary and and Scientife Institution, on Mondry lars, by Mr. William Smith. The introductors start, though seesanily of an elementary nature, possessed both a covered in the control of the destructive effects of lighting on many public billiding, &c.: he well confluctors of electricity; the different appearances of lighting; an account of the destructive effects of lighting on many public billiding, &c.: he well in the control of the destructive effects of lighting on many public billiding, &c.: he well in the control of the destructive and the control of the control of the destructive and the control of th west from its own weight, and the friction produced, by the continuous motion of a vessel in service, comparatively soon damages the chain, and wears the links. If applied as a temporary means to gaard against electric discharges, and when it has to be triced up on the indication of a coming storm, its application in time, of course, depends entirely upon the foresight and judgment of these in charge of this vessel—these are amongst the principal objections to the chain.

The next form is that of the tube—when issueded for buildings, this form, if of sufficient size, possesses equal advantages with the rod; but, in addition to having the disadvantages of that form in a much greater degree, is, besides, more easily injured, and, after a time, broken. For marine purposes, the same reasons for its inapplicability exist.

after a link, oroten. For marine purpose, the same constant as in the copper rod.

The next form is that of flat copper strips, or ribands, whiel, for building purpose possess no advantages over the rod—and they are as difficult of application, and con derably more expensive; but it is for marine purposes they were principally intends. They are formed by two plates of copper, each 2 in. to 4 in. who, and one in., and at other 1.16th in. thick; these have holes drilled and counterwank in them, and are writed therefore—forming a plate 3 c. [64 in. thick. These plains are let into the master. ether 1-16th in, thick; these have holes drilled and countercank in them, and are reverted together—forming a plate 3-16th in, thick. These plates are let into the mastathe mast having bean previously grooved out, and dove-tailed to receive them—from the cap at the head to the foot of the mast on its after side; these being let into, and securely spiked and instead to the lower, top, top-gallant, and superformans—the highest of which is terminated with a copper vane and spindle, fifted into a socket cap;—under which, and in mechanical contact, is placed the copper sirje, which are continued down the several masts; and where the foot of the upper mast comes into the cap of the lower mast, contact is intended to be made by a loose toggs, or flup, hung on extract, to allow of the mast traversing up and down in the caps. The lower mast is fitted with the plates in the mammer before described; they are continued down until they reach the step of mast over that by a branch running force and aft. The charge is here divided, and passes through copper bolts, fastening this horizontal plate to the keelson, &c.; and, in the under side of desch-beaus, another set of plates are placed—they branch off abruptly to each side of the vessel at about right angles with the mast. These branches terminates in consection with the sheattling. Of the objections to this plan of marine conductors, we will give same of those contained in the evidence taken by the commission appointed to inquire into shipwreek by lightning, and reported by them to the House of Commons.

These branches terminate in connection with the sheathling. Of the objections to this plan of marine conductors, we will give same of those contained in the evidence taken by the commission appointed to inquire into shipwrecks by lightning, sade reported by them to the House of Commons.

Sir Win. Symonds, the surveyor of the Nary, in his evidence, states, that he objects to the electricity being conducted through the ship; further, to their groat expense, which is shown in the report before the commission, to vary, at the lowest estimates, for the smallest, to the first class vessels, to cost from about 103t to 400:—the destruction to the

ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY,

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the passion of the energy the energy of the fedialests of the passion of the engraving of the fedialests of the engraving of the engraving of the fedialest are produced in them, by solitary habits, excesses and infection. With practical observations on the envarions entrement of the engraving of the engraving of the fedialest engraving of the engraving of the

fages were the immonae difference of expense between it and the strap or riband plan. The spars are not injured, or in any way affected, by its application; and the electrical discharge would be led down to the water, instead of into, and through, the body of the vessel—and, therefore, remore all liability to explosion—if is, in fact, much superior to the riband plan, and obviates all the electrons advanced against the common chain conductor. This cost of this plan does not exceed 60. for a city of the first-rate in the Royal navy. The plan proposed for applying the rope conductors was adopted, and then described. Immense numbers of these conductors have been applied to buildings of every kindt in the Royal and Foreign navies, and is the merchant marke, of this and other countries—and they have liad the most overer and repeated tests, with uniform success.

[We are compelled to postpone some further particulars until our next Journal.]

STEAM NAVIGATION OF THE DANUBE AND BLACK SEATHE "PRINCE METTERNICH."

THE "PRINCE METTERNICH."

It is now 17 years since the first company, for the promotion of steam navigation on the Danube, was brought into existence, and chartesed by the Emperor of Austria; and in the succeeding year, their first vessel was completed—the Francis the First. On the 16th of December, 1897, the Austrian Gowennests in steam-boats—the end simed at by our countries for the beats, and thereby each of the countries on the weight of the beats, and thereby each of their true of the part of the waters of the Danube—the shallowness of that river forming the chief inipediment to its utility as a means of water communication. In the year 1840, this company had 10 river-boats, and 10 sea-boats, with others constructing; and the passage at that time, from Vienna to Constantinople, was accomplished in 17 days. Two of their vessels, the Sophic and the Stephan, were at that period constructed of fron, and the power employed in their boats varied from 60 to 60 hones. Since that period, the completion of the "Lewis Canal," which company had a chan of inland davance, and the North Sea with the Black Sea, has opened a chan of inland davance, and the North Sea with the Black Sea, has opened a chan of inland davance, and the North Sea with the Black Sea, has opened a chan of inland davance, and the North Sea with the Black Sea, has opened a chan of inland davance, and the North Sea with the state of the navigation of the Danube, between Galats and Constantinople, and will be accompanied by the Prussian Eggle, a sister vessel were constructed by Messra. Dichburr and Mara, of Blackwall; and their machinery by Messra. Penn, of Greenwich. The Prince Metternich, as she now appears in the Essat India Docks, cannot but be admired by the most supported by Messra. Penn, of Greenwich. The Prince Metternich, as she mow appears in the Essat India Docks, cannot but be admired by the most supported by Messra. Penn, of Greenwich. The Prince Metternich, as she may perfect the passage of the passage of the passage of the passage of th It is now 17 years since the first company, for the promotion of steam navi-

C.

That see And the mass than to miles per hour, as above stipulated, the following deductions shall be made from the price to be paid for the said venest; they is to say—For one quarter of a mile, the sum of seven hundred and fifty pounds.
For half a mile, one thousand two hundred and fifty pounds.
For the end of the said venest to have the made and fifty pounds.
For one raile, three thousand pounds.
And should the speed of the said venest be less than 14 miles per hour, the purchasers shall be at liberty to return the said venest and sugines to the said tellifers, &c., who shall forthwish repay to the partice hereto, of the first part, or their agents, &c., all and every sum and sums of money paid, &c., with interest thereos, at the rate of o per cent per annua.

It will be seen, from the foregoing, that the vened in a first trial has averaged 75 of a mile over the stipulated gued, and a decrease of 25 in, in the stipulated decreased throught. We feel curious to know the advantages derived by Mestra. Ditchburn for the increased velocity and decreased draught, which, in a vensel of the tonnage of the foregoing, must allow something considerable for extra carge; they would, it appears, have been muleted in heavy potalties for the least failure—they ought to be as fully compensated for their increased success.

The Recruit, which has lately arrived at Portsmonth, is another instance of the certainty of success of our priouse builders—she having been built for Genvernment on the conditions that, if she did not equal the best brig, constructed by the present Surveyor of the Navy, the Government should return her on their hands. It seems to us, therefore, thist, although Government her on their hands. It seems to us, therefore, thist, although Government her on their hands. It seems to us, therefore, thist, although Government her on their hands. It seems to us, therefore, thist, although Government cought to use a due caution, and not waste the public money or all plans submitted to them; they ought also to see that

CANAG AND RAHLWAY AMALGAMATION.—A petition is in course of signature at Birmingham, admitting the superiority of railways over canals in some respects, but setting forth the great advantages of canals in the conveyance of bulky goods, inflammable articles, and other materials not requiring speed. The following is the prayer of the petition:—"Your petitioners, therefore, hambly new your how. Homes to institute an inquiry state the selective capabilities. odiny goods, imammand aractes, and other materias not requiring speed. The following is the prayer of the petition:—"Your petitioners, therefore, humbly pray your hos. House to institute an inquiry into the relative capabilities, operations, expenses, and charges of the railway and canal systems, with reference to the carriage of goods, and the comparative cost of the conveyunce by railway of passengers and goods, to prevent powers conferred by Parliament being used under either system, to, create a permanent monopoly of the carrying trade, and to secure for the public the full benefit of both systems, especially by preventing canals from coming ander the centrel of railway companies."

Scorcia Railways.—Friday was a gain day for the Edinburgh Railway wbrid: in the town, the Dake of Atholl laid the foundation stone of the Edinburgh terminus of the Caledonian Railway, and was supported by the presence of the various mason lodges, and a posse of military, horse and foot. The portion of the line extending from Carlisle to Beattook is to be opered in August, and the whole probably in November. In the country the primal sod of the Edinburgh and Bathgate was uplifted—a lady and not a duke being there the presiding intelligence. The Scotemac says, Ara. Stewart, of Binnie in the absence of her hueband, the chairman of the company), amides much cheering and considerable merriment, applied the spaile to the turk with such spirit that she soon succeeded in filling the little mahogany barrow, which was afterwards wheeled off to some distance by Mir. Hill. The Provest of Bathgate, Bajor Sharp, and several of the directors, subsequently performed the same operation; doffing their coats, handling the spade, and wheeling the loaded barrow with a dexterity that would have done credit to any. "navvis." August, 1848, is named as the date of the completion of this line.

To Invisorante the Construction and the lines for the

To Invigonate the Complession of this line.

To Invigonate the Constitution and Obrain Health use Hollowar's Fills.—Persons of studious or sedentary habits, who are falling into illness for the want of exercise and fresh air, should, especially at this season of the year, take for two or three weeks a course of Hollowary's pills, which will theroughly invigorate the system, and give a perfect circulation to the blood; and thus all languid feelings will disappear, and the gross intensors be mildly purged from the body. Those who cannot take proper exercise and fresh air will derive from this fine medicine so great a benefit, sa will perfectly astonish them, by becoming again so hale, so strong, and so vigorous. Sold by all druggists; and at Professor Holloway's establishment, 244, Strand, London.

## Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK.

MONDAY ... Wheal Mary Ann Mining Company—St. Blasey, at Siz.
TUENDAY ... Great Wheal Martha Mining Company—St. Blasey, at Siz.
Caradon Consols Mining Company—at the mine, at Twelve.
Galvanised Iron Company—London Tavern, at Twelve.
Galvanised Iron Company—offices, at One.
British Gas-Light Company—offices, at One.
Liyavi Iron Company—offices, at One.
Liyavi Iron Company—offices, at Twelve.
Independent Gas-Light Company—offices, at One.
THURNDAY. ... Western Gas-Light Company—offices, at One.
THURNDAY. ... Western Gas-Light Company—offices, at One.
Ferrangabuloe Silver-Lead Mining Company—Anderton's Hotel, at Two
Filday. ... Wheal Robins Mining Company—Wob's Hotel, Liskeard, at Three.
Blaenayon Iron and Coal Company—offices, at Two.

[The meetings of Mining Companies are inserted among the Mining Intelligence.]

#### EAST INDIAN RAILWAY.

The first general meeting of this company was held at the Lo day, the 13th instant.—Sir GEORGE LARPENT, Bart., in the chair.

The first general meeting of this company was held at the London Tavern, on Monday, the 13th insistant—Since the general Lawrenz, Bart, in the chair.

The Chamara, after make the general process of the company and, no intermediate communication having feen made to the shareholders, it now that the company and, no intermediate communication having feen made to the shareholders, it now company and, no intermediate communication having feen made to the shareholders, it now company and, no intermediate communication having feen made to the shareholders, it now company and the temperature of the company sent out their to the East India Company respecting their proposed railway, when the latter sent out the same and the two flowers and the same mail the directors of this company sent out their to the East India Company respecting their proposed railway, when the latter sent out the same shareholders in the same shareholders in the same shareholders in their sport on the part of the Government of the Government

ns were passed adopting the report, and expressing the highest approbatic selings of the directors, and the fullest confidence in their future managemen

## GREAT WESTERN OF BENGAL RAILWAY.

al meeting of sharcholders was held at the London Tavern, on Wed Major-General M'Lzop in the chair.

e usual preliminaries, the report of the directors was read, which i object of the company was the formation of a line of railway to company that part of the Ganges navigation, where it becomes both circuitor that part of the Ganges navigation, where it becomes both circuitor for three-fourths of the line of railways intertained for three-fourths of the line. regarding the introduction of railroads into India. At a meeting, held at the company's offices, in Leadenhall-street, on the 5th of July, 1845, a committee of management was elected, who took measures to carry on the business of the company of 40,000 ahares allotted in this country, 36,000 were paid upon; of 40,000 sent out to India (20,000 for Calcutta, and 10,000 each of Borbary and Madras), 10,222 were allotted, and 4708 paid upon. A neeting held at the London Tavern, Nov. 7, 1845, anctioned the appointment of a Calcutta committee, with Dr. John Grant for chairman. The 4000 shares forfsided in this country were again memorialised, on Dec. 4, 1845, and an answer received on the 24th of the same ment. A correspondence was also commenced with the local Government in Calcutta. On Jan. 33, 1846, a memorial was presented to the Country every state of the company's claims to the line from Calcutta to Rajamahal, and a new prospecting the company's claims to the line from Calcutta to Rajamahal, and a new prospecting was published. The Rajamahal line was avourably noticed in the report of the commission appointed by the Bengal Government. Instructions were given by the directors to the company's solicitor, to give notice of application to Parliament abilit. The directors came to the resolution, that the terms and conditions upon which the East India Company solicitor, to give notice of application of railroads into India, ought to be accepted. Having resolved to amalgamate with the East Indian Company on the 3d of March, 1847. A map and section of the Rajamahal line has been received from Mr. Greaves, an engineer in Calcutta, and a full report on the entire line by that gontleman is expected by an early mail from India. The total expenditure in this country and India since the commencement, has been 7044.0. 84. 104. Penditure in this country and India since the commencement, has been 7044.0. 84. the beliance in hand is 43761. 144. 10d. The terms of amalgamation with the East Indian Railway Company, which was a mach b

#### EAST INDIAN RAILWAY.

In another column, we have given the particulars of a meeting, held on Monday last from which it will be seen that the problem of the practicability of railways in India habeen solved in the affirmative; and that, as we anticipated, it has been decided that this company shall at once proceed with their line. The following statistics, from a series of table published for the use of the directors, may prove interesting, and will tend to explain the been solved in the affirmative; and that, as we anticipated, it has been decided that this company shall at once proceed with their line. The following statistics, from a series of table published for the use of the directors, may prove interesting, and will tend to explain the chairman's speech. We find the estimated cost of construction for a double line from Calcularinan's speech. We find the estimated cost of construction for a double line from Calcularinan's speech. We find the estimated cost of construction for a double line from Calcularinan's speech. We find the estimated cost of construction for a double line from Calcularinan's speech. We find the support of the control of the lower half, from dispaper to Delh, at 12,000 and the lower half of the line is ascertained to be 2,325,339 tons of membranes and produces, and the number of line is ascertained to be 2,325,339 tons of membranes and produces, and the number of passengers of all descriptions. 560,684; and of the upper half, 1,551,831 tons of goods, and 446,831 passengers. Unlike the usual plan of taking traffic in the company have more thank of the control of the c

# ON THE IMPORTANCE OF LIFE ASSURANCE.

Almanac, for 1847." By Peter Hardy, Esq., F.R.S.

In the Mining Journal of the 13th March, we gave an extract from this interesting say, including the first chapter entire; and shall now conclude by giving copious excacts from the remainder. Chapter H. is "On the Nature and Application of the Scheme

essay, including the first chapter entire; and shall now conclude by giving copious extracts from the remainder. Chapter it. is "On the Nature and Application of the Scheme of Life Assurance."

"The operations of a Life Assurance Society, when established on what may be considered the soundest and simplest principle—namely, that of mutuality—may be fairly likened, in all their leading and essentible—namely, that of mutuality—may be fairly likened, in all their leading and essentible—namely, that of mutuality and the fine of the institutions entitle the members, at settled periods, to without one of an extensive savings bank, which receives from its depositors for the operations of an extensive savings bank, which receives from its depositors and the fine of the institution proportionate larger sums. Life assurance is casentially mutual in a principle, and dependent on mutuality for its security and existence: and however, assure depends, in whatever office he may have purchased the promise of patrimony for his children." Savings banks assimilate nearly to life assurances; but if the depositor's resolution to invest fall him, or habits of expense induce him to withdraw his funds, or he die early, his scanty aswings will form a very insufficient fund for his family. But it chim be willing to forego the present power over his money, in consideration of being provided with a larger sum at his death, and we have in a single view the whole principle of life assurance, and contribute each a single sum of 10 fe sources of as were of 30 years, join together, and contribute each a single sum of 10 fe sources of as the same can be afforded. Suppose these persons benefit of a life savurance, so far as the same can be afforded. Suppose these persons benefit of a life savurance with the scale of mortality known by the name of the Northampton Table, would secure to him the scale of mortality known by the name of the Northampton Table, would secure to him the scale of mortality known by the name of the Northampton Table, would

some societies, by a reduction of the future premium of assurance, or, according to the practice of others, by an addition to the sum assured.

In thus expressing our opinion in favour of the third class, or mutual societies, we would wish not to be understood as animadverting on the other two classes of societies, nor as declaring that no other than a mutual society is either safe or honourable; far from it. Atthough, in every point of view, we give our decided preference to the plans of a mutual society, and consider them, and them only, as realising all the legitimate objects of life assurance, yet we are happily enabled to give our unqualified praise to the honourable and strict integrity with which many of the proprietary societies are conducted, although we may not equally admire their plans. Popular opinion is now fast beginning to acknowledge the advantages of mutuality over other schemes.

"The older proprietary establishments are, one by one, giving way to the necessity of a change, and are unwillingly admiriting their assurers to a participation of profits, glad once more, on any terms, to direct into their almost neglected channels, the stream of popularity which was fast flowing from them. But it is doubtful how long this partial concession will satisfy a public, overy day becoming better acquainted with the real merits of institutions of this kind. Few, we are inclined to think, will rest astisfied with a moiety, when they begin to consider themselves entitled to the whole. We have no doubt, and no hestiation in expressing such an opinion, that a very few years will see only two classes of societies for life assurance left to contend for the public patronage—viz.: MUTUAL Societtes, and Law PaporaettaNt Optricas; in the first class will be found all these who are driven by necessity, law, or the exigencies of life, into the purchase of assurances as legal and commercial bargains."

second class will be found all those who are driven by necessity, law, or the exigencies of life, into the purchase of assurances as legal and commercial bargains."

NORTH BRITISH RAILWAY.—Capt. Coddington and Mr. Walker, appointed by the railway commissioners to inquire into the state of the North British Railway, and satisfy them of their security, have just reported the result of their joint survey upon the state of the works, which suffered so much from the floods in February. The report describes minutely the main features of the line, and the condition of the various contracts, as at the general conclusion, that but few additions to those which the companies in contemplation, or are now executing, are required for the public security, the principal being the breakwater and footing to the embankment at Lamberton, and the bridge at Portobello. The line is described as in every way suitable for a public railway of great traffic.

## Mining Correspondence.

ENGLISH MINES.

ALBERT ADVENTURE—This mise is satuate in the parial of Gwinesi in Conwall, half a mile north-east from Alfred Coseals. Some years also, party of Cornib and Devon adventures commenced operations, under the name of East Wheel Alfred Mine. They discovered sweral close and transches which were considered to be of sufficient from the following induce them to sink an entire in the second of the control of the control of the produce of the company applit, and the concern was abandoned—the work already done will be available in the control of the c ALBERT ADVENTURE.—This mine is atuate in Cornwall, half a mile north-east from Alfred Consols. Se party of Cornish and Devon adventurers comme

John Job: April 13.

EAST CROWNDALE.—With great pleasure I beg to inform you, that in the past week, in clearing up the old men's workings, on the north lode, at Rix Hill, we have discovered a rich bunch of tin, about 9 ft, below the surface; the lode is about 20 in. wide, composed on the north side of a soft sugary spar, and on the south side a beautiful green peach, with excellent leaders and bunches of tin through it; so far as we have seen, this appears to be a most productive piece of ground, the old men having worked this and the south lode on the backs for hundreds of fathoms in length; and the great quantity of work done, and the principal part of the lode broken being carried off the ground, evidently shows that a great quantity of tin has been raised in this place; we are now proceeding to sink a whim-shaft on the course of the lode, which will take the back of our adit level now in the course of driving to cut the lodes about 10 fms. deeper than the old men's bottom; should this bunch of tin hold down, which I have not the least doubt of, from the regularity and strength of the lode, we shall soon get into a fair position to break large quantities of tin, the adit level being extended towards the lode upwards of 20 fms. The ground in our engine-shaft continues just the same as when reported upon last week.—S. PAULI. April 10.

EAST TAMAR CONSOLS.—At Whitsun, Hitchins's engine-shaft is sunk

EAST TAMAR CONSOLS.—At Whitsun, Hitchins's engine-shaft is sunk 20 ft. under the 60 fm. level; the lode in the 60 fm. level north is 15 in. wide, work of a good quality; the lode in the 60 fm. level south is 18 in. wide, good saving work. The lode in the 54 fm. level north is 14 in. wide, fluor-spar, and gilver-lead over the lode in the 54 fm. level north is 20 in wide cased.

work of a good quality; the lode in the 64 fm, level and his 18 in, wide, good saving work. The lode in the 54 fm, level and his 20 in, wide, capel, mundic, and lead; we have cleared south from Gourd's shaft to whole ground, where the lode is 20 in, wide, saving work. At Farschill, we are disappointed in not having our casting ready for the sinking-lift in time, but we have put the shaft under, to drive the 46 fm, level north, in the meantime—after which, we shall recommence sinking; the lode in the 46 fm, level north and south is 20 in, wide, shor-spar and ore. The lode in the 85 fm, level north is 14 in, wide, saving work; the lode in the 38 fm, level north is 14 in, wide, saving work; the lode in the 38 fm, level south is 15 in, wide, work of good quality. In addition to our silver-lead sampling, we have now ready for the market 5 tons of copper ore.—B. Rosins: April 18.

GREAT WHEAL MARTHA.—Since my last report to you of these mines, we have driven the cross-cut 2 fms., and now have the ground more favourable for driving; within 3 fms. of the bottom of the engine-shaft, we cut a branch of spar and jack dipping towards the lode; we have intersected the same branch, in the cross-cut, 9 ft. from the shaft, about 1 in, big, of rich copper ore; these branches generally make considerable improvement, when they drop into the lode. We have four men removing footways, and clearing shaft, previous to fixing plungersifits, and I am in hopes we shall have some part of the castings on the mine by the end of another week. At Sherrall's Bottom, we have driven 8 fms. on the lode, which is about 4 ft. big, composed of jack and capel—ground harder; and, owing to the late rains, a great deal of watee is at present issuing from the end. When the weather is more favourable, we propose putting the ment of sink on the course of the lode about 100 fms. further west.—T. Panaluna: April 10.

GUNNIS LAKE.—At Chilsworthy, Bailey's engine-shaft is 7 fms. under the 12 fm. levels—lode 2 ft. wide cared.

GUNNIS LAKE—At Chilsworthy, Bulley's engine-shaft is 7 fma under the 12 fm. level—lode 24 ft. wide, capel, spar, gossan, and ore; in the 12 fm. level west the lode is rather disordered—this end is now fast approaching the great cross-course; in the 12 fm. level east, no alteration.—W. RICHARDS HAWKMOOR.—I beg to inform you, that the lude in the 15 fm. level, east of Hitchins's shaft, is about 24 ft. wide, producing good stones of copper ore—a kindly lode.—P. RICHARDS: April 13.

A STOR - 18 of the lode is 20 in. wide, with a small portion of mundie, with some ore—there is some little improvement since my last. We still continua allow own the back of the 27 fm. level on the same terms as before this back of the state of the 27 fm. level on the same terms as before this back of the last parcel of the state of the 18 fm. who have weighted off the last parcel of the state of the 18 fm. level; 27 fm. 27. While any appeal it is most in the 20 fm. level; the back is the 20 fm. level; th

addition to our resources.—Joseph Buzzo: April 13.

LEWIS.—The lode in the 60 fm. level end cast is 2 ft. wide, worth 6L per fm. for tin; the lode in the 60 end west is 2 ft. wide, unproductive. The lode in the 50 east is 2\frac{1}{2}\text{ ft.} wide, worth 5L 10a. per fm. for tin, and very promising; the lode in the 50 east, on south branch, is 6 in, wide, with good floors of tin on the south, which makes the end worth 12L. The lode in the 40 fm. level end east is 2 ft. wide, worth 5L per fm. for tin. I think the tributers in the 30 end east are making fair wages at 10s. per fm., and 9s. in 20s. for saving the tin. Our tribute pitches are looking very well, and the tributers are making fair wages at their different tributes.—S. S. NOELL: April 10.

MENDIP HILLS.—Since my last resort. I have placed some men to open

Our tribute pitches are looking very well, and the tributers are making fair wages at their different tributer—S. S. Noell: April 10.

MENDIP HILLS.—Since my last report, I have placed some men to open and prepare the ground for laying down the tram-road from the commencement of the trench to the proposed site for clearing, smelling, &c.; our progress in opening and securing the bottom stope of the trench during the past week has been very favourable; it is now about 15 fms. short of reaching the large bed of slags we have now opened on, to accomplish which will take from 8 to 10 days. The lode in the 38 fm. level, driving south of shaft, has a better appearance than 1 have hitherto seen it in this part, composed of light coloured flookan, spar, and lead, ground favourable for driving.—F. C. HARFUR: April 12.

PENTUAN WHEAL MARY.—Since my last communication, about 2 fms. have been driven on the course of this lode; it is at present about 12 in. big, underlaying towards the north very fast indeed, and I am sorry that I cannot any anything in favour of its appearance; it, however, is yet very shallow, not more than 4 fms. deep, the ground in which it is imbedded is not expensive (30s. per fm.)—therefore, the level will be driven expeditiously, and I hope maxt week to be able to report some improvement.—J. HITCHENS: April 12.

SOUTH TAMAR UNITED.—The men in the adit level have cleared 20 fms. north from Monday's shaft. I expect the engine will be in course for working in three weeks.—B. Robins: April 13.

SOUTH WHEAL MARIA.—The shaft will be completed to the 20, under adit, or 30 fms. from the surface, by Saturday next, when it is intended to out a last, and drive both north and south, to interesce the six lodes visible at the am-last, and drive both north and south, to interesce the six lodes visible at the am-last, and drive both north and south, to interesce the six lodes visible at the am-

SOUTH WHEAL MARIA.—The shaft will be completed to the 20, under adit, or 80 fms. from the surface, by Saturday next, when it is intended to cut a plat, and drive both north and south, to intersect the six lodes visible at the surface, and continue sinking the shaft to the 30 under adit level; this having been decided on at a meeting of the shareholders, held at the mine, on Tuesday last, the 18th inst. We calculate on sinking about 3 fms. per month with nine men, and cross-cutting 6 fms. each way by six men; in each level the killas has a good mineral appearance, and we have great confidence in finding some of the lodes productive when cut—the six lodes being within 70 fms. of the surface.—G. France: April 15.

G. Francis: April 15.

SOUTH WHEAL TRELAWNEY.—The ground in the cross-cut, west from the engine-shaft, is still favourable for driving, being a light soft blus killas trata, interspersed with white prian heads (or veins), and the progress making nite satisfactory. Sobey's lode, in the adit level south, is 20 in. wide, competed of gosan, with a branch of barytes, 8 in. wide; within the last 4 fms. he lode has produced great quantities of it, which is favourable for lead, and he appearances of the lode at present are very promising indeed. The engine safely landed at St. Germains, and the greater part of its brought on the mine, and by Tuesday next the whole of it will be brought thither.—W. LEAN.

TAMAR SILVER-LEAD.—In the 160 fm. level, south of the shaft, the lode s 18 in. wide, composed of capel, par, and or e, saving work; in the north end.

TAMAR SILVER-LEAD.—In the 160 fm. level, south of the shaft, the lode is 18 in. wide, composed of capel, spar, and ore, saving work; in the north end, fathom. The as this level, the lode is 6 in. wide, producing a small quantity of ore. In the 45 fm. level south the lode is 2 ft. wide, composed of capel and mundic, with most broken any lode since last reported; in the 145 fm. level and north we are also desuing the lode, but the wall, in passing on, is presenting a promising popurance. In the 135 fm. level the lode is 3 ft. wide, work of a coarse work. In the rise, in the back of the 35 fm. level, the lode is 1 ft. wide, saving the 60 fm. level, driving north, the lode is 4 ft. wide, in the level, above. In the 60 fm. level, driving north, the lode is 4 ft. wide, in the love. In the increasing good work; in the same level south the lode is 1 ft. wide, composed of the nand ore, saving work. We sampled, on the lat inst, 90 tons 11 cwts. 1 qr. frich silver-lead ore.—James Spradue: April 12.

TINCROPT.—We have done but little in the 100 fm. level in the north mine

In and ore, saving work. We sampled, on the let mat, so tons it cuts. I qr. frich silver-lead ore.—JASES SPRAGUE: April 12.

TINCROFT,—We have done but little in the 100 fm. level in the morth mine me my last report; the water is still so quick that we can keep it in fork but short time together. The south lode in the 90 east is 2 ft. wide, producing me good ore, worth 10t. per fm.; the east end in the north lode producing tenes of ore and kindly; the 90 west is also producing good stones of grey re, and very promising. The 80 east is also producing good stones of grey re, and very promising. The 80 east is also producing good stones of grey re, and very promising. The 80 east is suspended, and the men put to rise in toducing good work for tin; the lode in the 50 west is 5 in. wide, producing tinstaff. The 50 west is worth 8t. per fm. The tribute spartment continues much the same as for some time past. At Paimer's, the die in the 38 fm. level west is 2 ft. wide, producing some ore, and kindly; we save one pitch working in the back of this level by four men, at 3s. 6d. in the L; from this and the other pitches we are raising fair quality work; we exceet to be able to work at the 60 fm. level next week. At the south mine, on lightburrow lode, the lode in engine-shaft is 23 ft. wide, worth 60t. per fm. he lode in the 152 west is 2 ft. wide, worth 15t. per fm. The lode in the 142 set is 4 ft. wide, worth 12t. per fm. The winze sinking below the 120 is worth

12t. per fm.; the 120 east is worth 20t. per fm. The 110 east is worth 40t per fm. The stopes in the bottom of the 100 are worth 20t. per fm. Our pitches in this part of the mine continue to yield fair quality tinstuff. At Wheal Providence, we are securing the shaft; and clearing the adit as quick as possible. In two or three months I hope we shall commence clearing the mine below the adit.—WILLIAM PAUL: April 12.

vidence, we are securing the shaft, and clearing the adit as quick as possible. In two or three months I hope we shall commence clearing, the mine below the adit.—William Paul.: April 12.

TIN VALE CONSOLS.—This mine is situate in the parish of St. Neot, at the western side of Dram's River, embracing a beautiful valley, which runs nearly north and south, and crosses the lodes nearly at right angles below the respective lodes. This valley has been streamed for the for ages past, and yet its stores are not exhausted; from the impression, that this tin was through some powerful influence driven from the lodes, the present company suck a pit or two on the back of one of the lodes; and, finding not only the best indications for tin, but also the metal in large masses, and of a very superior quality, it was at once decided that as the shaft could not be sunk for the great unflux of water, an additabhould be immediately directed towards this object, which has been driven about 70 fms, which intersected several rich branches, the productions of which are still on the mine; I have not measured it, but I judge there is from 30 to 40 fms. to cut the lode; it is, however, supposed that in driving this ground more lodes will be discovered; this adit will take the lode at about 35 fms. from surface, which, it is to be hoped, will produce many thousands' worth, without any machinery. The length of the sett, on the course of the lode, is more than half a mile—the ground is remarkably easy. It is the decided impression of most practical miners, men of honesty and integrity, that there are vast deposits of tin here; I do affirm that it is my opinion, returns may be shortly and easily made; here is likewise a large and commanding stream of water to be applied to any purpose for machinery.—W. H. Whirr-rond: Canadon Consolo Mine, Likewis, April 12.

TRELEIGH CONSOLS.—In the 110 cross-cut north, east of Christoe's, we have not yet cut the lode, but shall expect to do so soon. In the 100, east of ditto, the lode is 2½ ft. wide, worth

Tetal .....£1724 11 6 Total ..... £3751 11 5

in the 40, east of ditto, on Stacey's lode, we have not yet out brough an lode, so as to enable us to report its real value. In the 30, west of Turner's shaft, the lode is 7 ft, wide, worth 252 per fm. In the adit end, west of ditto, the lode is 1 ft, wide, producing stones of ore occasionally.—T. Thevenener, and the lot of the lode is 1 ft. wide, producing stones of ore occasionally.—T. Thevenener, with the most promising indications of a greater change for the better in a short time—the country around the lode is also more favourable. The pitch, west of the winze, sunk from the 12 to the 20; is looking exceedingly well—we have a solid leader of silver-lead ores in it, worth about 105 per fm; the leader connected with the lode in this pitch is larger than the western one, but not so rich—it is composed of silver-lead ores—perhaps as clean and rich as ever was drawn from the lowels of the earth—we calculate it for the from 80 to 90% worth, risen by four men, in five days, from the western pitch. The mine at present wars a very promising and gratifying aspect—D. Skewers, T. Hoopens, April 14.

WEST WHEAL JEWEL.—In the 115 fm, level, east of cross-cut, on Wheal Jewel lode, lode 2 ft, wide, producing some ore on the south part. In the 100 fm, level, west of cross-cut, on same lode, lode 1 ft. wide, worth 45 per fm. In the 70 fm. level, west of Quarry shaft, on Tolearner time lode, lode 1 ft. mide, looking more promising than when last reported. In the 12 fm, level, west of Quarry shaft, on Tolearner time lode, lode 1 ft. mide, looking more promising than when last reported. In the 12 fm, level, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 30 per fm. In the 25 fm, level, west of Quarry shaft, on same lode, lode 1 ft. mide, looking more promising than when last reported. In the 12 fm, level, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 30 per fm. In the 25 fm, level, west of Quarry shaft, on same lode, lode 1 ft. wide, worth 30 per fm. In the 25 fm, level, east of this shaft, no lode take

made with the gossan, black oxide of copper, blende, barytee, and the municipal die, both combined with, and separated from, the lead; and the results shill be regularly made known to you. We sampled, vesterday, computed 42 tons of lead ores—samples of which are sent to the different smelters and purchasers.

—J. Phinoch: April 13.

WHEAL ASH.—In laying before you a report of this mine, I can only speak of the lodes as seen at surface, and of what has been done towards cutting them below. We first commenced shoading, and found what we farm our south lode; this lode is about 6 ft. wide, composed of gossan, mundic, and small spots or, and very highly stained with copper. We then shoaded further north, and found what is called the middle lode, about 15 fms. north of the south one; 25 fms. further north we found what is called the north lode—this is about 6 ft. wide, composed of gossan and stained with copper. About 15 fms. north of the south one; 25 fms. further north we found what is called the north lode—this is about 6 ft. wide, composed of gossan and spar. These three lodes are of the most promising description. This induced us to creat an engine-wheel, and sink ashaft; and saw found an addit could be brought: in from the vailey, at a depth of 56 fms., we determined on sinking the shaft to that depth before cutting the lodes. The shaft has been cannot be such as the same of the valves leading into the cylinder of the high-pressure engine had got diview out, both north and south, to intersect the index. If the north lode we had a such as trilling variation in the angle of underlay may give us several fms. further to drive. In driving this cross-cut we are continually meeting with any such as trilling variation in the angle of underlay may give us several fms. In the such possible of the problem of the valves leading into the cylinder of the high-pressure engine had got in the problem of the valves leading into the cylinder of the high-pressure engine had got in the problem of the valves leading into the cylinde

lodes do not produce a good course of ore. The adit will intersect the north lode in a few fms, further driving—this will be from 150 to 200 fms. west of the engine-shaft.—H. EDWARDS: Horrabridge, April 12.

WHEAL EMMA.—There is little or no alteration since my last; the shaft men have been engaged doing some necessary work in the shaft, consequently but little progress in sinking. In the end driving cast on the north lode, in the 22 fm. level, no lode has been taken down during the past week. The adit is set to drive at 28s, per fm. the lode being of a promising description.—H. CHOAKE: April 13.

WHEAL LOUISA.—Verteday by the control of the c

is set to drive at 28s. per fm. the lode being or a promising description.

CHOAKE: April 13.

WHEAL LOUISA.—Yesterday, being our setting day, we set to our men the ends in the 20 fm. level, to drive on the course of the lode, at 50s, per fm., and also set (bargain) the plat to cut, and other necessaries, in order to commence sinking the engine shaft as early as possible; the lode in the 20 fm. level, I am happy to say, is greatly improving as we approach the cross-course, and is full 12 ft. wide, composed of quartz, prian, flookan, and interspersed with rich yellow ore, presenting greater promise than could be expected at the depth.—J. Chynowrth: April 18.

WHEAL SOPHIA.—The lode we are now driving on is 6 ft. wide, composed of gossam, mundic, and solid stones of copper ore, of goed quality, and has a better appearance than we have ever yet seen. The adit is extended 70 fms. but the air now is rather bad, and, in order to make it better, we intend sinking a shaft to meet the end, which is about 20 fms. from the surface; this being done, we can work on again comfortably, and shall then be able to sink below the adit level. A wheel can be erected, and a supply of water can be taken from the Tamar, without a great expense.—H. Luke. April 14.

#### MINES AND LEASEHOLDERS.

MINES AND LEASEHOLDERS.

Sin,—It is well known that most conventionary leases for lives, and long terms, as well as rack leases, contain a reservation of ores, stone, clay, slate, and other minerals, with liberty to enter, dig, work, mine, and search for same; and to make or sink any shafts, pits, or adits, &c.; and to raise, manufacture, &c.—so that on the grant of a sett, or liberty to work by the freebodder, the soil is to a greater or lesser extent destroyed—the compensation to the lease-holder or tenant being perfectly optional. No one without a grant has a right to enter, and break; and it is, therefore, the interest of the lease, whenever he accidentally discovers a lodge, to hush the matter, up on the principle that "the lease said, the soonest mended." The interest of mining demand a chetter state of things, especially for the leaseholders for lives, and long terms, at conventionary rests. This matter wore a very different aspect in olden times, when land was worth comparatively little; but a compensation clause is how required, as frequently inserted in setts, but not in leases to tenants.

Penzance, April 9.

MINING NOTABLIA

### MINING NOTABILIA.

MINING NOTABILLA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

ALFRED CONSOLR.—I have been informed, from what I consider good authority, that Alfred Consols never looked as well as at present. There is a splendid lode in the 10 fm. level, composed of very strong yellow ore, worth from 254 to 304 per fm. They are bringing up the adit from the old mine, on Alfred Consols lode, which is composed of spar, prian, and goasan, with spots of yellow ore, and presents altogether a very promising appearance.

Condurned is somewhat improved, although the books on Tuesday next will show a trifling loss on the two months, of about 1502, but I believe there will be no call.

will be no call.

At DEVON AND COUNTENAY CONSOLS they have a good lode in the westers end of the north shaft, about 15 in, wide, but it does not hold out in the shaft above 4ft, as yet. In driving the cross-cut north from engine-shaft, towards the south lode, they have intersected a branch about 3 in, wide, underlaying north towards the lode, producing some good stones of copper ore; this branch will fall in with the lode at no great depth below this level, and I should think the lode will be intersected by this cross-cut in about a fortnight.

EXMODE WHEAL ELIZA.—The reason of our not making greater progress here, is in consequence of the delay occasioned in the erection of the waterwheel, which will now go to work in about a week from this time.

GONAMENA:—A considerable improvement has taken place here; in the bot-

wheel, which will now go to work in about a week from this time.

GONAMENA.—A considerable improvement has taken place here; in the bottom level east they have a fine lode, but I shall go and see for myself in a day or two, and will then advise you, for there is no dependence to be placed on the rumours we has.

GWENEAR CONSOLE.—I am happy to advise you, that the prospects of this adventure are equally good as when I last wrote you; and I am informed, from good authority, that a parcel of about 30 tons of superior ore is broken, and at surface; and that the sampling, which will take place in about three weeks hence, will be some criterion of what will be done in future, as prospects are daily improving.

HARROWBARROW OLD MINE.—The adventurers have much cause of com-

surface; and that the sampling, which will take place in about three weeks hence, will be some criterion of what will be done in future, as prospects are daily improving.

Harbowbarbow Old Mine.—The adventurers have much cause of complaint relative to the proceedings herein; formerly they used to get, through the medium of your Journal, constant periodical reports of the workings and prospects of the mine.—why they have been discontinued is not explained. It is understood in the neighbourhood that all the shares have been bought up by the large and monied shareholders, who, it is presumed, are in possession of information which does not come before the public. It is a known fact, that many tribute pitches are let upon terms which enable the takers to realise handsome profits; whilst there are new 4 or 5 tons of tin, at from 50£ to 55£ per ton, ready for market, besides immense heaps of tinatuff, which the limited number of stamps cannot clear off. The simple matter of fact is, that the concern is prospering beyond any in the district, save the great gan; and this ought fairly to come before the public, that a fair competition might be allowed for the disposition of shares. It seems as though the concern was about to become one of those old-fashioned Cornieh pocket boroughs; a hint from the reforming pen of your Journal may prevent such a game in the nineteenth century. It is difficult to procure a share, and certainly not at your quotation.—A SURSCHIBER: Demoport, April. 9.

SOUTH FRANCIS.—I was underground last week, and am happy to inform you that the prospects were never better than at present. In the 30 fm. level they have laid open 60 fms. of orey ground, worth, on an average, 104 to 154. per fm.; and in the present end the lode is 3 ft. 6 in. wide, worth 154. per fm.; and in the present end the lode is 3 ft. 6 in. wide, worth 154. per fm.; it is worth, at least, 300£ per fm. be though 50 fms. of orey ground, the lode averaging from 3 to 10 ft. wide—at present, 4 ft. 6 in. big, worth 154. per fm.; it is wo

WHEAL CALSTOCK.—I have recently visited this sett, and find its prospects in accordance with the representations made of it; and since then a very promising discovery has been made in the shallow adit.

WHEAL GILL—I visited Wheal Gill on Saturday last, and I learn that the prospects are highly encouraging; the lode, especially in the eastern shaft, is tielding good stones of ore.

WHEAL TRYPHENA.—An improvement of great importance and magnitude was effected here on Tuesday last, by a discovery of a rich course of tin in the 65 fm., or bottom level, worth at least 50l. por fm.: leaving a 25 fm. back of that value, and of considerable length; the level above (being the 40 fm. level) having gone through it, and worth in some places from 60l. to 70l. per fm.

d entirely by neglect. The jury, at rned a werdict of "Manslaughter" by were committed on the coroner's

#### TOTON MINING COMPANY.

A special general meeting of adventurers in this usine was held pursuant to circular, at the offices, King-street, Chenpside, on Saturday, the 10th inst.

Mr. Suell being present, it was auggreated by Mr. Edwanns, that as that gentleman must be considered as representing the interests of Mr. Williams, and as the subject matter for discussion, was one of a peculiar nature, as affected the interests of the adventurers, he considered that the discussion should be entered into without any parties being present but those intimately interested in the undertaking; upon which, Mr. Snell immediately withdrew.

The Chardeman proceeded to state the objects for which the meeting had been convened, it appearing that the contract entered not for working the mine on tribute (as reported in a late number of the Journal), could not be carried out effectively—insamuch that the term unexpired for which the mine over that the terms required by John Taylor, Eq., the toller, or steward, of the Duke of Ebwonshire, with reference to a lease to be granted for the term of 21 years, was such as would not accord with the agreement entered into with Mr. John Williams—it being required that 18 men should be constantly employed in underground operations; and, moreover, that no tribute of the halvans could be set for a term exceeding 12 months, or tribute pitch underground, beyond a period of two months; while, by the agreement entered into with Mr. John Williams, it was agreed that he, Mr. Williams, should have a right to return the halvans, and work the mine for a period of three years, from the date thereof (12th Feb. 1847), at a rate of 183. 4d, in the 14, he paying to the adventurers 6s, 3d, in the 14, on all ores returned from the mine during that period; and further, the right of working for three years, beyond such term, on the payment of 10s, in the 14; which, under the circumstances in which the company was placed, enail not be done. It was, therefore, for the adventurers to consider the course to be pursued. Mr. Williams, having be

### HOLMBUSH MINING COMPANY.

The annual general meeting of shareholders in this mine, was held at the ffices, George-yard, Lombard-street, on the 31st of March.

J. L. Heathonn, Esq., in the chair.

The notice convening the meeting, and the minutes of the last annual and ubsequent special meetings, having been read, the following report of the discourse was submitted:—

rectors was submitted:—
In conformity with the regulations of the company, the directors arbmit their annual stakement of accounts, which they regret should show the necessity of the mine having required assistance from the charcholders, instead of, as in many previous instances, having contributed large dividends. In compliance with an expressed vish, which was fully concurred in by the directors, and with a view to ensure to every shareholder the fullest possible means of arriving at an accurate conception of the state of the mine, and its prospects, the presence of Capt. Lean has been required at this meeting; and, in addition to his intelligent report, which will be read, the shareholders will have the opportunity of receiving his explanations, and, by the assistance of the sections and plans completed to the present time, of coming to a clear understanding of the position of the providing. The directors have, pursuant to resolution passed at the last annual succing, also procured an inspection and report on the mine by Capt. J. Frince, an able mine agent, resident in the district, and unconnected with Holmbush Mine.

The full mine reports which will be lad before the shareholders, as well as the presence of Capt Lann, leave but little for the directors to notice with respect to the mine. It is exalifying, however, to observe that the operations in course of being proceeded with at Biolmbush, met with the concurrence of Captain Frince, and that the recommendations with respect to the future, conclude with those of Captain Lean.

Since the last annual meeting, it will be observed, that the prospects of successful residence of the prospects of successful residence and the prospects of successful residence.

atement of accounts for the past year (1846), examined and passed uditors, was read:—

£111025 1 6 

£196 8 6 The following annual report of this mine, from Capt. W. Lean, was read to

The following annual report of this mine, from Capt. W. Lean, was read the meeting:—

The diagonal shaft is, sunk 4 fins, below the 120 fm, level, in which are several sme beanches of soft spar and stones of yellow copper ore of good quality—all of which a leaving south towards the shaft; and should the underlie continue as at present, it we form a junction with these branches at the 130 fm, level, to which polarity was hall look form a junction with these branches at the 130 fm, level, to which polarity was hall look form a junction with these branches at the 130 fm, level, to which polarity was hall look form a junction with these branches at the 130 fm, level, to which polarity was hall look for ward with deep interest—believing the lode will be found a productive one, should we fortunate enough to get under the floor offrontation. The lode in the 120 fm, level, west the great cross-course, is 10 in, wide, producing stones of ore, mundic, and spar—this versity is extended 14 fms. who heen in disordered groupd, occasioned by numerous small cross-courses and sildes; by at present, the lode assumes a kindly appearance, and apparently is getting into a settle strata. From the present end to the silde is 24 fms.; and from the silde to the lead lote a traduct. Find the present end to the silde is 24 fms.; and from the silde to the lead lote, which is a cut tribute; and, in going each of the present end to the silde and the lead lode, which is a cut tribute; and, in going down, is found to be lengthening and productive. The lode the 130 fm. level, east of Hitchen's shaft, on the north part, is 14 in, wide, composed to form junction with the branches in the shaft in the 130 fm. level—this level is extended 25 fm south part, is 5 in, wide, composed of one part and stones of rich yellow copper ore, at 152 fms. Level—this level is extended 25 fms. The rice att of Hitchen's shaft, in the sole in the 110 fm. level sext of Hitchen's shaft, on the sole in the 100 fm. level and with the boundary to share a very promising id

somewhat proved R; but, judging from the quantity and quality that has been plexed from the surface of the vast heap we have on the mine, we are fully coavined it will more than pay double for returning.

We have about 6 tons of rich silver-lead ores dressed, and about 5 tons of lead that is mixed with white iron, that requires to be crushed almost into a powder, in order to separate the one from the other, previous to our being able to dean it properly for the market; when finished, no time shall be lost in preparing it for sale. In conclusion, we have you will senetion:—The diagonal shaft to be sunk by sight men as at present; 120 fm, level, west of the cross-course, by six men, to get under the shoot of ore in the hottom of the 110 fm, level, east of Hitchina's shaft, on the north part; and four men to drive the 120 fm, level, east of Hitchina's shaft, on the north part; and four men to drive the 110 fm. level, east of Hitchina's shaft, on the north part; and four men to drive the 110 fm. level, east of our shaft of the shaft; to ascertain, if possible, the depth of the floor of the fronzione; we shall then be in a position to judge for the future; but, to effect this, is a work of time, having to dive the 110 fm. level, east of year of the possible of the depth of the floor of the fronzione; we shall then be in a position to judge for the future; but, to effect this, is a work of time, having to dive the 110 fm. level, east opported by the depth of the floor of the fronzione; we shall then be in a position to judge for the thrust long place of unexplored ground to the east of Wall's shaft, to assertain, if possible, the depth of the floor of the bank (100 fm.), and the 190 fm. level cost of the shaulting granite hill, and when the levels are driven under the shaft, for ise and of the the shaft to the 120 fm. level; to this in the levels as possible, to prove the levels are under it, without again setting the engine to work, until we commone sinkling below the 190 fm. levels, also, at men to drive the 190 fm

and sampled February ores, computed 84 tons. --W. Least. March, 29.

It was then moved by Mr. J. Camps, and seconded by Mr. C. Earsth—
That the report and accounts be received and adopted.—Messrs. Wm. Ohippendale and Thos. Hackett were re-elected directors, and Mr. Joseph Camps
auditor.—The thanks of the meeting were voted to Capt. Wm. Lean and
Capt. John Prince, for their intelligent and explanatory reports.—The thanks
of the meeting were also unanimously given to the chairmum.

[We have omitted Capt. Prince's report, in consequence of its length, as
well as its being merely corroborative of Capt. Lean's, the managing agent.]

## SOUTH FRIENDSHIP WHEAL ANNE MINING COMPANY.

SOUTH FRIENDSHIP WHEAL ANNE MINING COMPANY.

A general meeting of shareholders of this mine was held at the count-house on Monday last.

FRIED S. THOMAS, Esq., in the chair.

The CHAIRMAN reminded the shareholders, that they were assembled for the important purposes of witnessing their large wheel set in motion, of auditing the purser's accounts, of deciding upon the course to be adopted in disposing of the shares upon which the former calls remained unpaid, and of making such further call as might be necessary to continue and carry out the operations which had been decided on at the former meeting.

As regarded the first of these purposes, he rejoiced to have it in his power to congratulate his fellow-adventurers upon the judicious and substantial manner in which every matter connected with the machinery had been completed. They had witnessed the first revolutions of their gigantic wheel; and the rapid rate at which she had diminished the water in the shaft, must be a satisfactory proof, that their power of drainage was quite equal to any increase of water they might experience in extending their levels. It was evident the wheel was capable of forking and keeping the water whilst making from three to four revolutions per minute, and they had the means of increasing her speed to seven or eight revolutions per minute.

The purser's accounts from the commencement of the adventure, stood thus:—

Amount of calls already made

would be coming up at that depth, in the junction of these different strata. He begged the shareholders, who were holding their shares loosely, to examine these indications. They had great weight with him, in inducing him to make so great an outlay in this one mine, as he had already done, and was yet auxious to do, if needful. He thought the shareholders had a right (although, in consequence of the great success of the Great Wheal Friendship, the expression of such anticipation might appear presumptuous,) to anticipate an equal, or a superior, mine. At any rate, he was justified in saying, that such a combination of influences rarely failed in producing a profitable mine. He was happy to inform the shareholders, that the greatest expense had now been maurred and paid. For the prosecution of a great mine, it was essential that they should have sufficient power. Their arrangements were commensurate with the object they had in view. Their proposed operations were to fork the water to the 52 fm. level, thence to drive through the cross-course, and cut and drive apon the lode in the Wheal Anne side. They would then be driving parallel with the Great Friendship workings, and between these workings and the granite hill to which he had before alluded. He had hoped that every abarcholder who had contributed to the preparation for the important operations now contemplated, would have had the ability to hold his shares, until something decisive had been done. They had returned a small parcel of ore, of excellent quality, from the back of the lode; they should again set on tribute at the 10 fm. level, and he really thought they were on the eve of such discoveries as would give a ten-fold value to their shares. The mine had not hisherto been launched in the market; she was now in working order—it would, therefore, be necessary to give periodical esports of their proceedings; and he had no doubt, when all

wn, her pretention

Having thus expressed his candid opinion, he trusted his co-advet struggle to provide their calls, and reap the reward of their exer. It was then resolved—That all shares, upon which the formare been paid, and which have been transferred into the name of the put to the resolution of the special meeting of the 22d of February it diately offered for sale; that Messrs. Crossman, Somers, and Co., Adventurers' Subscription Room, 28, Threadneedle-street (and sill who register shares for sale), be authorised to register them, at 28 that the same be advertised in the Mining Journal and Heroid, transmit to the purser any offer which may be made.—The sal Spargo, Capt. Harvis, and Mr. Nathaniel Smith, the ongineer, a increased 1l. per month; and the captain and superintending against a further call of 1l. per share was also made, when the journel.—A further call of 1l. per share was also made, when the journel.

Herald.—A further call of 11. per share was also made, when the meeting adjourned.

Canadox Consols.—A meeting of shareholders was held at the mine, or Tuesday, the 6th inst., when a statement of accounts was presented, showing a balance against the mine of 2632. is. id., the arrears of calls amounting to 2371. 17s. 6d. The accounts having been examined and passed, the following report, from Captains W. Whitford and H. Taylor, was read to the meeting:—Since our last meeting, we have driven the 37 fm. level about 6 fms. east or the main lede, making in all about 10 fms. from the cross-cut. The lode at present is about 15 in. wide, composed of copper, fluor, and peach, occasionally producing fine stones of ore. The 27 fm. level west, on the same lode, has beet driven about 7 fms.; here there is an important improvement; we, therefore atrongly recommend the prosecution of these levels, as present indications justify the expectation of favourable results.—One of the shareholders having expressed his wish to relinquish his two shares, it was resolved.—That the purse be instructed to forward to such shareholder an abstract of the accounts, with an intimation that this meeting stands adjourned to Tuesday, the 20th inst. for the purpose of ascertaining the feeling of the shareholders generally, relative to the further prosecution or relinquishment of their shares or interes is, and that such shareholder be requested before that day to state his determination by letter to the purser.

to the further prosecution or relinquishment of their shares or interests; and that such shareholder be requested before that day to state his determination by letter to the purser.

Condurnow.—At a meeting of adventurers, held at the mine, on Tuesday, the 13th inst., the following statement of accounts was presented:—Labour cost for February and March, 6641. 2s. 11d.; merchants bills, 203. 14s. 4d., E. W. W. Pendarves, Esq., dues of ore sold February 4 (1-20th of 6651.0s. 5d.), 33l. 5s.; balance due to purser end of Jan., 560l. 4s. 1d. — 1461l. 6s. 4d.—By call made end of January, 2l. per 256th share, 512l.; ores sold the 4th of Feb., 665l. 0s. 5d.; itn, 70l.; spare materials, 16l.: leaving balance due, 198l. 5s. 11d.—The accounts, having been examined, were allowed; and the next meeting of the adventurers fixed for the second Tuesday in June.—The following report, from Captain Nicholas Vivian, was read to the meeting:—The engineshaft is sinking under the 50 fathom level at 16l. per fathom, the contract is taken for 10 fms.; lode in shaft 3 ft. wide, orey on the north part, and underlaying 1 ft. per fathom southerly. The 50 fm level, diving east of engineshaft at 40s. per fm., lode 2 ft. wide—very promising, and yielding a small quantity of grey ore; a pitch in the back of said level at 10s. in the 1l.; 50 cross-cut driving south, west of ditto, to cut a split of the main lode. Two pitches working in the back and bottom of the 40 fm level at 8s. and 13s. 4d. in the 1l. In the 30 fm. level driving east on the Landower lode, lode 3 ft. wide, yielding some ore; in the 30 wast on Llandower lode, lode 3 ft. to 4 ft. wide, tribute ground; one pitch in the back of the 30, in the main lode, at 13s. 4d. in the 1l. One pitch in the back of the 20, on the main lode, to 4s. wide, tribute ground; one pitch in the back of the 30, in the main lode at 13s. 4d. in the 1l. One pitch in the back of the 30, in the main lode, were the sold driving west, large promising lode, yielding 5 to 6 tons per fm.; bottom of deep adit, worki

and that accompusation to make ampling, judging from present applications.

GREAT WHEAL WILLIAMS.—A two-monthly meeting was held at the Globe Hotel, Plymouth, on Monday, the 5th inst.—J. P. MacQueex, Esq., in the chair.—The report of the committee (made in pursuance of the resolution passed at the special meeting of Feb. 1), having been laid before the meeting, was adopted, and the further working of the mine suspended, as therein recommended. The purser was instructed to cause the necessary legal proceedings to be commenced, to recover all unpaid calls.

Menne Company.—The annual general meeting of share-

chair.—The report of the committee (made in pursance of the resolution passed at the special meeting of Feb. 1), having been laid before the meeting, was adopted, and the further working of the mine auspended, as therein recommended. The purser was naturated to cause the necessary legal proceedings to be commenced, to recover all unpaid calls.

Marker Valler Minkrok Couranx.—The annual general meeting of shareholders took place at the White Hart Hotel, Salisbury, on Thursday, the 8th inst. The circular convening the meeting having been read, a statement of the accounts was presented, which showed a balance of 9400. 19s. 9d. in favour of the company; the cost for March amounting to 127L—making together of the company; the cost for March amounting to 127L—making together should be a state of the same month, amounting to 127L—making together should be a state of the same month, amounting to 127L—making together should be a state of the same property of the company at the end of March.—The accounts having been passed, the Gatarunxa directed the attention of the sharsholders present to the following report form Mr. James Wolferstan and Capt. James Seccombe, which was then read—in compliance with your instructions, we begt to hand you the following report of the operations carried on in this mine since the 8th June, the date of our last general report. In the 80 fm. level the cross-cut has been driven 22 fms. 2ft. 9 in., and several branches age be been intersected, about the place where the Sarum lode on might branches age be been intersected, about the place where the Sarum lode on might are the same properties of the same passed, the place shared to the same passed, the cross-cut, and intersected what we considered to be Marke's lode, and extended on it 5 fms. 2ft., when, from its character being so different from what we expected, we are now into doubt whether it was Marke's lode, and extended the same passed, the supersection of the same passed, the contribution of the soft of the same passed, the work of the sa

a fair depth for copper. The eastern end in the 90 is about 8 ft. from the shaft, the ground about 4. 10a. per fm.; the western end is about 6 ft. from the shaft, ground about 5. per fm. We have never seen the lode so large and regular as it is at present, and we believe, if we could intersect a small branch of copper driving on this lode, we should at once have a good mine. In the 75 fm. level east, we are now driving in a hard bar of ground, and by reason of this the lode is small; from the appearance of the ground, and by reason of this the lode is small; from the appearance of the ground in the upper levels, we expect soon to get into a different strata; in the 75 fm. level west, we have driven 26 fms. from the shaft, and cut a cross-course; 6 or 8 ft. before we cut the cross-course, the lode in the end was very small, but when it was at the smallest there was good ore with it. About 19 fms. from the shaft the lode split into two branches, one branch looking south, 57° west, and the other south 73° west; this branch we continued to drive on until we cut the cross-course; finding the lode poor, we thought proper to cut into the south side to find the other branch; this we have done, and find the lode about 3 in. wide, saving work; the ground at present is hard, but we believe the ground will soon case as we near the cross-course, at which we hope the lode will become larger. The 60 fm. level north is driven about 36 fms. out under the sea. We have been expecting for months past to cut one of the three butes which are seen running in this direction from Carn Nean Point. We continue to extend this level, which we think is a very fair speculation.

Grammler AND ST, ADENS.—A meeting of adventurers was held on Tuesdays last when the seconds of weather the search as seat of th

level north is driven about 36 fms, out under the sea. We have been expecting for months past to cut one of the three bules which are seen running in this direction from Carn Nean Point. We continue to extend this level, which we think is a very fair speculation.

Grammler and St. Aubry.—A meeting of adventurers was held on Tuesday last, when the accounts, of which the following is an abstract, we're passed:

—Balance due at last account, 1382. 9a. 0d.; costs and merchantr bills for Jam.—And Peb., 11632. 11a. 6d. = 13602. 13a. He pores sold (less dues), 11642. 11a. 3d.; leaving balance due to pursor, 1432. 9a. 9d.

Tavt Coxsota.—A general meeting of adventurers was held at the Central Hall, Plymouth, on Tuesday, the 6th inst.—John Paula, Esq., in the chair.—A statement of accounts was submitted, showing balance in favour of mine of 2484. 5a. 54d., which, having been examined and found correct, was allowed and passed. A call of 10a. per share was made, payable to the purser immediately; and the following shares were foreisted to the company, according to the 4th section of the rules and regulations agreed to by the shareholders, for conducting and prosecuting this mine—viz.: R. Mashford, 2 shares, 5 calls due; J. Richards, 1 share, 4 calls due; J. Candy, 11 shares, 4 calls due; T. Candy, 11 shares, 4 calls due; T. Mordows, 1 shares, 3 calls due; T. Williams, 2 shares, 5 calls due; T. Williams, 1 share, 8 calls due; T. Williams, 2 shares, 3 calls due; T. Williams, 1 shares, 8 calls due; W. Matthews, 1 share, 3 calls due; L. Williams, 2 shares, 2 calls due; T. Williams, 2 shares, 2 calls due; T. Williams, 1 share, 5 calls due; T. Williams, 2 shares, 5 calls due; T. Williams, 1 share, 6 calls due; T. Williams, 1 share, 6 calls due; T. Williams, 1 share, 6 calls due; T. Willi

been determined upon, to be paid immediately, in order to prosecute the works with vigour, and to pay for pumps and machinery necessary for conducting the works and dressing department on the most economical plan."

WHEAL BUCKETTS.—A meeting of adventurers was held at the accounthouse, on Tuesday, the 6th inst., when the following statement of accounts was presented:—To balance, short paid on division of cash, 14s. 2d.; January tawork cost, 370%. 3s. 9d.; merchants' bills, 451%. 3s. 8d. = 1180%. 7s.—By copper ores sold, less dues, 550%. 3s. 9d.; leaving balance due of 583%. 18s. 3d.—The accounts having been examined, the balance was divided, and forthwith collected. It was then resolved, that the sinking of the sump shaft be at once commenced; and, that the agents be instructed to make the necessary alteration in the pitwork, and also that they get another boiler as soon as possible, and that they purchase a crusher for the mine at once.—The following report, from Capta. W. Webb and W. Traren, was read to the meeting;—Since the last meeting of the adventurers, we have cut the new lode in the 40 fm. level, both east and west, and from what we have seen of it, it has been equal to our expectations; we have driven on the eastern part about 10 fns. lode averaging from 1 ft. 6 in. to 3 ft. wide, producing about 3 tons per fm.; the western part of the lode is a bout 14 or 15 in. wide, with ore all through—we have not driven many ft. on this past—the lode has a very promising appearance, but not rich. The 30 fm. level east, on the new lode, has been driven since he last account about 20 fms. through a good lode, producing about 2 tons per fm.; and the end is still looking well—we have a large lode in the back of the level as the view about 20 fms. through a good lode, producing about 2 tons of ree per fm.; and the end is still looking well; we have a pitch working in the back of this level, one at 5a and coss at 2s. 6d. in the 1£; in the 30 fm. level east we have had a good lode for the last 10 fms. producing about 2 are driven on the eastern part about 10 fms., lode averaging from 14.6. fm to 3 ft. wide, producing about 2 tons per fm.; the western part of the iole is about 20 fms. below bods, has been driven sizes the last account about 20 fms. through a good lode, producing about 2 tons per fm.; and the cold a still look through a good lode, producing about 2 tons per fm.; and the cold a still look through a good lode, producing about 2 tons per fm.; and the cold a still look with the cold and the cold and the cold as the look as the cold and the cold as the look as the cold and the cold as the look as the cold and the cold as the look as the cold as the cold and the cold as the look as the cold as the c

£224 11 3 For stock of tin, &c., purchased from old adventurers, as per resol meeting on 14th November, 1846 (no part being yet returned) ..... £1300 0 0 Balance against the company..... £1075 8 9

### L PROFIT ON ENGLISH MINES.

Name of Mine.	Shares	S. 13/104	Calls	Price		Divide	nds.	Total Div.
Wheal Maria								
East Wheal Rose	. 128		. 50	 1200		24	0	. 30,720
Carn Brea	1000		. 15	 100		1	2	. 12,000
West Caradon	256		20	 200		3	1	6,320
South Caradon	128		10	 400		50		6,400
North Roskear	70		10	 100		6	S	4,550
East Wheal Crofty	94		10	 310		4	24	3,994
Wheal Trelawney	260		73	 125		15		3,120
Trethellan	120		. 5	 20		20		2,400
Tresavean								
3071 1 72 1 41 - 1	Title		14.	 . 50	4500			24 14 11

in these two counties, the dividends paid in 1846 amounted to 158,838%. The paid-up capital on them amounts to 190,000%, and their market value, according to the share list, is 1,343,000%. The interest paid, therefore, in 1846, is upwards of 80 per cent. on the paid-up capital, and about 11 per cent. on the market value. The 10 mines above-named, paid in 1846 upwards of 375 per cent. on the paid-up capital.

DARTMOOR CONSOLS TIN MINES.—The prospectus of this company has, together with some accompanying documents, been forwarded to us for perusal. The object of the association is, it appears, to continue, or rather to resume, certain works which were privately commenced in 1844, for the procuration of tin, in the parish of Sheepstor, m the county of Devon, which locality is represented by the different reports appended to the prospectus, as being most favourable for the production of this valuable metal, and as presenting what are considered good indications. The name of a gentleman well known in the commercial circles of the City, is the first on the list of the committee of management, which is, of itself, a reasonable guarantee for the respectability of the undertaking, and for the proper administration of the affairs of the company. The association is to be conducted on the Cost-book principle, which enables shareholders to determine the extent of their responsibility.—Moraing Post.

Armosphericus Rallwax.—The line from Paris to St. Germain was inau-

A LBERT ADVENTURE-NOW IN WORK, ON THE

A LBERT ADVENTURE—NOW IN WORK, ON THE
COST-BOOK PRINCIPLE.

In 1900 shares.—Depoté 5s, per share.

This LEAD and COPPER MINING ADVENTURE is situated in the parish of Gwinser,
Cornwall, at about half a saile north-east of Alfred Cousels, now a productive and very
valuable mine. The extent of ground comprised in the Albert setts measures threefourths of a mile along the course of the lodes, from the west to the east boundary, and
one-third of a mile in breadth, north and south.

This ground has been long well reported of, as containing several lodes. The manager
of the Great Wheal Alfred offer expressed his opinion that extressive and profitable mining
operations would be witnessed here.

Some years since a company was formed, and a mine was opessed, under the name of
"East Wheal Alfred a" an adit was brought into about the centro of the sett, and crosscuts to considerable extent were driven; a several promising lodes and branches were discuts to considerable extent were driven; a several promising lodes and branches were discuts to considerable extent were driven; a several promising lodes and branches were discuts to considerable extent were driven; a several promising lodes and branches were brought on the spot; shares were selling at advancing premiums; when, owing to certain
disagreements amongst the parties concerned, further proceedings were abruptly stayed.

The operations of the said company, done at considerable expense, may be justiy regarded as a valuable bouns to the new adventures.

An efficient and encouraging inspection of the mine been obtained; and, preparatory to ascertaining the most elligible position for the exection of an engine it is advised
to drive a cross-cut, in order to the inspection of a lode in the south part of the set, which
was partially seen during the former working,
and exhibited favourable indications,
in the neighbourhood, thus states, respecting the lode finest cut by East Wheal Alfred
adventurer, and thought to be a continuation of Great Alfred lode — "This

in the discovery.

£5000 may be required, for the necessary mining operations, effectually to prove said lodes; to at it is no improper suggestion, as matter of legitimate hope, that, ere outlay of half the said capital be called for, the adventure may be marketable at a lumble premium.

able premium.
This concern is divided into 1000 shares; the deposit, or first call, 5s. per share; the ircumstances of progression will determine the time and amount of the next and future shalls.—The plain and safe Cost-book System will be adopted, and the strictest regard to be appropriation of the capital to actual underground operations, will be economically

calls.—The plain and asfe Cost-book System will be adopted, and the strictest regard it the appropriation of the capital to actual underground operations, will be economically adhered to by the managers.

Applications for abares are to be made to Mr. James Lane, sharebroker, 75, Old Broad street, London: the Purser, Mr. F. Harvey, Hayle, Cornwall; or the London Secretary Mr. W. Witcomb, Johnson's Chambers, 167, Fleet-street, London, of whom the prospectrum ay be obtained.—The prospectrus can also be had at the office of the Mining Journal 25, Fleet-street, London. DERRANZABULOE SILVER-LEAD MINE COMPANY

—A MEETING of the adventurers in this mine will be HELD at Anderton's Hotel, Fleet-street, City, on Thursday next, the 22d inst, at Two o'clock in the afternoon A few shares remaining unappropriated, parties destrous of entering into mining speculation are invited to attend. An experienced mining capitain, from thomeighbourhood of the mine, and well acquainted with its capabilities, will attend to give every information that may be required.—See Fraspectus.

\*\*Plans of the mines will be submitted to the meeting.

PERRANZABULOE SILVER-LEAD MINE COMPANY,

PERRANZABULOE SILVER-LEAD MINE COMPANY,

(ON THE COST-BOOK SYSTEM),

In 512 shares.

EANKERS—Sir J. W. Lubbock, Bart, and Co., 11, Munsion-house-street.

SECRETARY—Mr. W. H. Smith:

OFFICES—No. 10, WARNFORD-COURT, LONDON.

This mine is situate on the well-known mineral Penhale estate, in the parish of Perranzabuloe, in Cornwall; and, during its last working, has had the advantage of a beneficial outlay of capital, to the extent of at least 18,0004, chiefly in underground works and operations. By means of this outlay, the permanent riches which this mine contains were fully established by the increase of its returns in 1821, from 7 tons per month to 50 tons at the time of its suspension; and which event was ascribable to no other cause than that of unfortunate disputes—branching out of other matters in litigation between the time the above mine cased working, it was not contemplated that its suspension would have been of any duration; and, owing to this circumstance, the underground materials and works were left in their perfect state for future re-commencement of operations. To these benefits and advantages, which may be fairly estimated at a saving of 18,0001, in capital, for works in a complete state, and of a period of five years in time in performing those operations, the present proprietors have become the lawful successors. In the formation of the present new company, however, tho lessees propose to admit of the said proposed new company, on the most astisfactory and Bloral terms.

For this purpose, therefore, it is proposed to divide the mine into 512 chares, and it had forced in the said proposed new company, on the most astisfactory and Bloral terms.

For this purpose, therefore, it is proposed to divide the mine into 512 chares, and it had forced in the capital, or working the said proposed new company, now actually on the miles. The lessees propose taking 100 chares, upon which they will pay equally with the other adventurers.

A close per share, on the transfer of shares, will be required; and calls

s leading down in the content of upon with sample of \$2000 per annum for diversity of upwards, per month, might be relied upon with sample of \$2000 per annum for diversity of upwards, as to ensure a clear profit of some \$2000 per annum for diversity of the sample of t

neral meeting.

Application for shares to be made to the secretary, at the office of the company, 10, Warnford-court, Throgmorton-street, City.—The Prospectus may be had at the Maisey Journal, 26, Floci-street.

REFORT OF CAPTAIN WEBB.

According to your request, I beg to hand you all particulars I am in possession of, relative to Wheal Golden (now the Perranasholice Silver-Lead Mine)—viz.: The mine ceased to work about 20 years ince—therefore, I have not had fauncilate engagements there. But for the last 10 years I have been connected with pilmers and others who have a perfect knowledge of it (many of whom I can place confidence in), and they state, that the north part of the mine is sunk to a 60 ms. level, which has yielded immense quantities of silver-lead ore. There is one particular run of are in the bottom of the 60 fm. level, about 70 fms. long, a very promising lode, continuing northward in the present level, bottom ends, this being the most productive part.

The former party, who were rather embarrassed, made an attempt to sink immediately in the ore, by discontinuing the engine-shaft, and erecting flat-rods underground; but this operation was never carried into effect, and the price of lead being very low, a suspension took place, without the intention of finally abandoning the mine; as a proof of this, every material (to the extent of hundred of pounds worth) was let to remain in its place, such as 60 fms. of pit-work (I believe 14-inch lifts), and those newly creeted flat-rods. Here very many hundreds of tons have been returned, and good ore ground still going down. More ancient workers have taken away much lead about, and a little below, the adit in this 200 fms, between the north and south mine; therefore, I consider the present engine-claff in a good position for the extending of levels north and south. With a moderate capital, and educatory, ide not hestate in giving my opinion that this mine will make an extensive, jermanent, and profitable concern. It has been wondered engine and in a good pos

THE PATENT JOURNAL & INVENTORS' MAGAZINE THE PATENT JOURNAL & INVENTORS' MAGAZINE, Weekly, price & The Paient Journal, after a year's prosperous carrer, unequalled by any former scientific work, having secured an immense number of subscribers and readers from all classes, but more especially from Engineers, Civil and Mechanical; Architects, Surveyors, Shipbulders, Manufacturers, Iron Merchants, and Founders, Bulders, Chemists, Mechanics, Patentees, and Inventors, is now Enlarged to 34 pages, 8 vo., with 20 pages of advertising matter. It contains the Specifications of all recent Patents, with engravings, and is, therefore, invaluable to intending Patentees. The Descriptions of Registered Inventions are abundant—with original Articles on Scientific Subjects—Scientific Miscellance—Law Cases—Heecipts, authentic and useful—Correspondence—List of Patents granted and expired, weekly. From abunque the many encosiums of the press, the following may be selected:—"Certainly no manufacturer, inventor, patentee or engines, should be without the Patent Journal's an excellent medium for advertisamonts, being well displayed before a Large body of readers.

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## Current Brices of Stocks, Shares, & Metals.

STOCK EXCHANGE S Belgian Bonds, 4½ per Cent., 96% 6
Dutch. 2½ per Cent., 98% ½
Brasilian, 5 per Cents., 53½
Chillan, 6 per Cents., 53½
Mexican, 6 per Cents., 304
Syanish, 5 per Cents., 20%
Ditto 3 per Cents., 20%
Ditto 3 per Cents., 30%
Russian, 5 per Cents., 314
Russian, 5 per Cents., 314

Rashas, 5 per Cents., 362 | Rashas, 5 per Cents., 363 | Rashas, 5 per Cents., 364 | Rashas, 364 | Ra

shares have changed hands.

RAILWAYS.—The market during the week has been very stagnant, and transactions limited; but, notwithstanding, there has been no disposition to force sales. The chief business done has been in Birmingham and Oxford Junction, Eastern Counties ditto (York Extension), York and North Midland, &c. In foreign shares the same apathy has prevailed—this is chiefly attributable to the unsteady state of the money market. The Liverpool market has been more active, but a want of confidence was still manifested. At Manchester, Birmingham, Leeds, and Bristo!, prices have been steady, but business rather limited.

MEXITYGE.—MANCHESTER, SHEFFIELD, AND LINCOLVENIUM; special meeting; for sub-

manifested. At Manchester, Sirmingham, Leeds, and Bristof, prices have been steady, but business rather limited.

Mextinos.—Manchester, Shepvield, and Lincolnshite: special meeting; for submitting to the proprietors the drafts of 12 bills, now being prosecuted by the directors in Parliament, which were approved of unanimously. The Sheffield station, &c., is estimated to cost 180,0001. The whole capital required for carrying out the 12 bills was stated to amount to 1,847,4401.—Manchesters and Leeds; special meeting; the first business was under the Standing Orders of the House of Lords, and was marely to give the proprietors a second opportunity of signifying their assent to the bills they might have before Parliament, before they were proceeded with in the Upper House; the bills were agreed to. The additional capital required for the new lines, supposing them to be carried, was estimated at 1,382,7001. The resolutions were all passed.—Exercia and Carbotron's special meeting; to consider the propriety of reducing the number of directors, from ten to ske, making four a quoram, and determining who should go out of office. The chairman refused to put the motion as illegal, and entered into a definee of the directors, had prosounced the present proceedings legal; after some warm remarks, a resolution, affirming the heads of an agreement with the Taw Vale Company, was carried; also, resolutions passed, restricting the directors from opening the line on the broad gauge, or incurring farther expense in completing the junction with the Bristol and Exoter fallway, and directing the secretary to obey the reduced beard of directors, and affix the company's seal to the foregoing resolutions.—Passron and Longerton and Exoter and the company's seal to the foregoing resolutions.—Passron and Longerton declared to a secretary to cotey the reduced beard of directors, and affix the company's seal to the foregoing resolutions.—Passron and Longerton and Exoter and a balance of 3281, voted to the directors for their services, having

HULL, TUGEBAY.—The markets, since our last, have been much depressed. This morning brings a somewhat better list from London; but whether it is an indication that we have reached the bottom, or nevely that the bears are making up their books for this account, must be left for the next few days to decide. It is certain, that, for those who do not hold railway shares, the present is an excellent opportunity for investment, even if they lay out more money, at lower prices, by-and-bye. Many shares that are selling at discounts now, will be wanted at premiums some day or other.

LEEDS, Faiday.—The share market has fluctuated considerably during the week pieces continued to decline till Monday, when there was aimost a panic in the market with a great amount of arock offering; alnce then holders have shown more confidence, and shares, although not particularly buoyant, have somewhat recovered from the severe depression. To-day, the favourable character of the American news has given more animation to the market.

## RAILWAY TRAFFIC RETURNS.

From these returns, it will be seen, that the amount of traffic for the last week, on nearly 2750 miles of railway, was 152,0594, thus accounted for:—73,1944, for the conveyance of passengers only, 35,7944, for the carriage of goods, and a remainder of 33,0714. for passengers and goods together, not respectively apportioned; being an increase over the corresponding week of last year of 20,9864, when the milesge was about 1,920.

Choster and Birkenhead 15 658,993 24 779 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	735. 1846
Choster and Birkenhead   15   658,993   24   779   1     Dublin and Drogheda   35   689,948   34   846   19   3     Dublin and Kingstown   6   349,736   9   681   0   7     Dundee and Arbroath   16   156,323   6   287   14   7     East Lancashire   28   814,417   866   7   2     Eastern Counties   1812   6,513,026   7   10061   4     Eastern Union   17   227,253   - 331   0   0     Eastern Union   17   227,253   - 331   0   0     Eathburgh and Glasgow   46   2,112,136   6   3348   6   6     Glasgow, Paisley, and Ayr   53   1,567,281   7   2404   4   1     Glasgow, Paisley, and Ayr   53   1,567,281   7   2404   4   1     Glasgow, Paisley, and Ayr   53   1,367,281   7   2404   4   1     Glasgow, Paisley, and Ayr   54   3,718,818   1430   7   9     Great Western   241   9,714,938   8   1450   7   8     Ipswich and Bury   26   303,768   477   0   0     London and North Western   378   18,042,004   10   30976   7   7     Tour State   17   18,042,004   10   30976   7   7     Chondon and North Western   378   18,042,004   10   30976   7   7	€ 288
Dablin and Drogheda	752
Dublin and Kingstown	610
Dundee and Arbroath   162   156,323   6   287 14   62   East Lancashire   28   814,417   866 7   2   Eastern Counties   1818   6,513,026   7   10061   4   8   Eastern Union   17   227,353   831   0   0   Edinburgh and Glasgow   46   2,112,136   6   3348   16   6   Glasgow, Paisley, and Ayr   53   1,567,281   7   2404   14   1   Grangow, Paisley, & Greenock   23   833,918   2   1132   3   3   Great Southern and Western   56   1,843,718   1130   17   9   Great Western   241   9,714,939   196,32 7   3   Ipswich and Bury   26   303,768   477   0   0   London and North Western   3784   18,042,004   10   39076   17   7	784
East Lancashire         28         814,417         866         7         2           Rastern Counties         1812         6,513,926         7         10061         4         8           Eastern Union         17         227,253         -         531         0         0           Eathburgh and Glasgow         46         2,112,136         6         3348         6         6           Glasgow, Paisley, and Ayr         53         1,567,291         7         2404         14         1         132         3         3           Giasgow, Paisley, & Greencock         23         833,918         2         1132         3         3         Great Southern and Western         566         1,843,718         1430         17         9         9         9         9         9         9         9         7         2         47         0         0         105         2         7         1         0         1         7         7         0         0         2         1         3         16         9         1         9         14,935         8         9         1         2         1         3         1         3         1         3         1	252
Rastern Counties	
Eastern Union         17         227,253         — 531         0           Edmburgh and Glasgow         46         2,112,136         6         3348         16         6           Glasgow, Paisley, and Ayr         53         1,567,281         7         2404         14         1         21         32         33,918         2         1132         3         3         Great Southern and Western         562         1,343,718         —         1430         17         9         37         32         7         3         33,768         —         477         0         0         407         0         407         0         0         407         0         0         407         0         0         3076         17         7         0         0         0         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17         7         3076         17	0147
Edmburgh and Glasgow 46 2,112,136 6 3348 16 6 Glasgow, Palakey, and Ayr 53 1,567,281 7 2404 14 1 Glasgow, Palakey, and Ayr 53 833,918 2 1132 3 3 Great Southern and Western 56 1,343,718 - 1430 17 9 Great Western 52 41 9,714,939 8 1968,3 7 3 1 pswich and Bury 52 6 303,768 - 477 0 0 London and North Western 3784 18,042,004 10 39076 17 7	8147
Glasgew, Palsley, and Ayr 53 1,567,281 7 2404 14 1 Glasgow, Palsley, & Greenock 23 833,918 2 1132 3 3 3 Great Southern and Western 56 1,343,718 1430 17 9 Great Western 241 9,714,939 8 1965.3 7 3 Ipswich and Bury 26 303,768 477 0 0 London and North Western 378 18,042,004 10 39076 17 7	2000
Graegow, Paisley, & Greenock. 23 83,918 2 1132 3 3 Great Southern and Western. 56 1,343,718 — 1430 17 9 Great Western. 241 9,714,939 8 1953 7 3 Dewich and Bury. 26 303,768 — 477 0 0 London and North Western. 3784 18,042,004 10 39076 17 7	3369
Great Southern and Western 56; 1,343,718 1430 17 9 Great Western 241 9,714,939 8 1965.3 7 3 Ipswich and Bury 26; 303,769 477 0 0 London and North Western 378 18,042,004 10 39076 17 7	2246
Great Western	942
Ipswich and Bury	-
London and North Western 3784 18,042,004 10 29076 17 7	18777
London and North Western 378 18,042,004 10 39076 17 7	-
	36036
London and Blackwall 4 1,102,717 14 924 10 6	962
London, Brighton, & South Coast   112   5,109,667   7   7167 0 0	5081
London and South-Western 127   4,278,789   9   7563 3 4	0402
Manchester & Leeds	100
Manchester, Sheffield & Lincolnah, 491 1.678, 108 5 2135 4 8	-
Midland Company	16165
Newcastle and Berwick 9 1.184.079 5 833 19 4	1
Newcastle and Carlisle	1663
Norfolk 704 1 199 689 7 1879 1 5	1495
North British	-
Preston and Wyre 30 439.014 91 557 17 7	503
Shrewsbury and Chester 15 254.945 - 468 0 0	-
South Devon	1200
South-Eastern	7083
Taff Vale 304 888 411 64 1467 10 9	1075
Ulster 95   258 253   84   000 11 9	760
York and Newcastle 1831 1,712,317 9 7877 18 7	100
York and North Midlend 1624 2.483.256 10 5789 2 5	4991

COAL MARKET, LONDON.

COAL MARKET, LONDON.

PRICE OF COALS FER TON AT THE CLOSE OF THE MARKET.

MONDAY.—Adair's Main 14—Chester Main 15 6—Dean's Primrose 15—Dipton Tanled 14 6—Holywell Main 15 6—New Tanfield 15—North Percy Hartley 16—North

Wylam 13 9—Tanfield Moor 16 9—Wylam 15—Wall's End Brown's 14 6—Gosforth 16 9

dotspur 15 9—Harton 16 3—Hodworth 14 6—Hedley's Beamish 13 9—Killingworth 16 6

Wharn-Rife 16 9—Edon Main 17—Bellmont 17—Bell 17 3—Haswell 19—Hetton 18 6

Keepler 17—Lambton 18 3—Russell's Hetton 18—Stewart's 18 6—High Thornley 16—

leugh Hall 17—Kellos 18—Cowndon Hartley Steam 14—Denison 16—Seymour Tees 17 6

Anthracite 23 6—Cowpon Hartley 17—Derwentwater Hartley 16—Howard's West Hart
y Netherton 17—Langennech 23 6—Sidney's Hartley 17—Caradoc 18 3.—Ships, 136.

WENNESDAY D.—Adaid Was Hawster 13—Diction Langeld 14 14—Holywell Main 18 6

y Netherton 17—Llangennech 22 6—Sidney's Hartley 17—Caradoc 18 3.—Sh WEDNESDAY.—Buddle's West Harrley 17—Dit too Tamfeld 14 6—Holywell 3—North Percy Hartley 16—North Wylam 13 9—Wylam 18 and Bewicke and Co. 16 9—Brown's 14 6—Goforth 16 9—Hodworth 14 6—Holyment 17—Buddly's Hetton 18 3—Eart He-Haxwell 19—Hetton 18 3—Lumley 16 6—Lambton 18 3—Ruswell's Hetton 18 3—Government 17—Braden's Hartleyool 17 6—Govern's 18 6—Whitwell 16 6—Catsop 17 6—Hudson's Hartleyool 17 6—Melawat's 18 6—Whitwell 16 6—Catsop 17 6—Fores 18 3—Covyen Hartley 16 6—Sidney's Hartley 17.—Ships at market, 104; sold, exwentwater Hartley 16 6—Sidney's Hartley 17.—Ships at market, 104; sold,

FRIDAY.—Dean's Primrose 18—Dipton Tanfield 14 6—Holywell Main 18 6—New Tanfield 13—Tanfield Moir Butes 15—Twitzel Main 15—West Harring 17 3—Wylam 15—Wall's End Brown's Gas 14 6—Bell Robson (6—Harring 16 6—Hidds 16—Killingworth 16 6—Harring 16 6—Harring 18 6—Rassell's Hotton 18 6—Shotton 18 6—Rassell's Hotton 18 6—Shotton 18 6—Rassell's Hotton 18 6—Shotton 18 6—Rassell's Horring 16 6—Horring 18 6—Killing 18 3—Adelaide 18 8—Barriet 16 6—Horring 19 Deanery 16 6—Cowndon Tees 16 3—Gordon 15 6—Tees 18 6—West Tees 18 6—Cowpan Harring 17 3—Derwentwater Harriety 16 9—Howard's West Harring 18 7—Liangenmech 22 6—864-ney's Harriey 17 3—Ships at market, 109.

10	PRICES OF M	INING SHARES.
0	Shares. Company, Paid, Price	BRITISH MINES—continued. Shares. Company. Paid. Price.
	1000 Abancarossin	1 900 South Towns
i i	512 Albert Consols 2 2 1024 Alfred Consols 4 40 235 Andrew and Nangles 25 18 10000 Ayrehire Iron Company 3 2 128 Balmoon Consols 25 25	128 South Wheal Basset 110 90
	128 Baincon Consols	
1		10000 Southern&Western, Irish 2 4-5 256 St. Austell Consols 8 14
	320 Birch Tor Tin Mine 114. 14 3000 Blaenuvon 50 40 100 Botallack 175 225	94 St. Ives Consols
	10000 Heitish Iron New yeris 10 174	1024 Tavy Consols 4 3
i	- Ditto ditto, scrip 10 19 128 Budnick Conseis 523 40 128 Burthy 20 21	3000 Tin Vale Consols 1 12
		128 Tokenbury140 17# 256 Tolpetherwin 3# 10
	256 Caradon Consols 47 4	256 Tolpellarwin   3½   10   256 Trehane   2   22   25000 Treleigh Consols   6   4   256 Trenow Coasols   30   25   25   250 Treaswam   10   200   120 Trethellan   5   35   120 Treyiskev and Barrier   30   18
	256 Caradon United	96 Tresavean 10 200 120 Trethellan 5 . 35 120 Treviskey and Barrier 130 180
	256 Caradon Wh. Hooper . 20 3 1900 Carn Brea	128 Trewellard 19 261
į	166 Cleveland 9 11	100 United Mines 300 500 10240 Victoria Tin 1 1
ı	1000 Combinarum	206 Wellington Mines ** 15 30
	2560 Cook's Kitchen 21 4 1000 Copper Bettom 1 5	128 West Cargoll 2 12 512 West Fowey Consols 40 15
	1000 Comblawn   1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	256 West Providence 91 18
1	500 Cubert Mine 12 20 2048 Dartmoor Tin 2 3‡ 7100 Derwent 84 5	- West of Scotland IronCo. 155 169
1	1024 Devon&CourtenayCon. 51 4	OSC Wast Protect Wills OF C
1	2560 Drake Walls 4 4 10000 Durham County Coal 45 9	256 West Wh. Friendship. 7
1	256 East Alvenney 3 10	256 West Wheal Treasury 19
-	112 East Caradon	184 Wheal Adams 41 30
1	9000 East Tanur Consols 14 24	256 Wheal Albert 10 8 128 Wheal Acland 13 2 256 Wheal Allen 11 4
1	94 East Wheal Crofty280 310 256 East Wheal Fortune 2 3	237 Wheal Anderton 161 31
I	128 East Wheal Rose 501200 — East of Scotland Iron Co. 24 24 123 East Wheal Seton 14 20	128 Wheal Arvose 34 6 1024 Wheal Ash 12 2560 Wheal Barbara 14 14
1	28 East Wheal Seton	256 Wheal Blencowe 8 10
	2048 Georgia Tin Mines 12 2	256 Wheal Bucketts 20 324 256 Wheal Byon Consols 4
1		136 Wheal Clifford 190 190 1024 Wheal Concord 62 3 128 Wheal Courtenay 20
	2414Grambler & St. Aubyn	256 Wheal Dyke
	2560 Great Michell Consols 14 5 256 Great Resugga Moor 2 4	512 Wheal Elizabeth 24 3 256 Wheal Fortescue 54 94 2018 Wheal Frederick 2 2
	1500 Great South Tolons 2 . 3	256 Wheal Gill
	1000 Grogwinion	128 Wheal Harriet 45 50
-	800 Hawkmoor 3 2	756 Wheal Jane
	6000 Heignston Down Con	112 Wheal Margaret 79 200 246 Wheal Maria (Hayle) 19 27
	Hebble Hill	2000 Wheal Martha Consols. 5 1
-	1000 Hohnbush 18 14 256 Ivy Tor 14 2 827 Kirkcudbrightshire 46 6 3048 Lamherose Wh. Maria 9 4 74 Lacesth & Penstruthal	112 Wheal Margaret 79 200 246 Wheal Maris (Hayle) 19 27 1024 Wheal Maris 1 400 4050 Wheal Marth Consols 5 14 2266 Wheal Mary Ann 5 50 1024 Wheal Mary Calstock) 5 1 256 Wheal Mary Consols 34 25 256 Wheal Mary Consols 34 25 256 Wheal Mary Consols 14 14 256 Wheal Mary Canivet) 64 4 256 Wheal Mary Canivet) 64 12 256 Wheal Mary Canivet) 67 258 Wheal Metha 23 924 128 Wheal Metha 23 924 128 Wheal Polard 124 12 120 Wheal Prospect 4 13 128 Wheal Prospect 4 13 128 Wheal Rose 60 55
	2048 Lamherooe Wh. Maria 9 4 74 Lanarth & Penstruthal — 82 2048 Lamiyet Consols	256 Wheal Maude 14 . 14 . 14 . 128 Wheal Metha 23 . 924
	74 Lanarth & Penstruthul —	210 Wheal Prospect 4 13 128 Wheal Reeth 1 17
г.	1000 Lewis 10 8	
See His	256 Lostwithiel Consols 7 7 128 Ludcott 3 3 4000 Marko Valley 10	90 Wheal Seton 214 800 286 Wheal Sisters 274 30 286 Wheal Sophia 10 1024 Wheal Spearne 12 8 128 Wheal St. Ann 9 15
9	1280 Liancyntelm	256 Wh.Tremaine(St.Ervan) 14. 90
	256 New East Crowndale. 34 32 128 North Fowey Consola. 25 25 100 North Pool	236 Wheal Tremayne 35 45 128 Wheal Tremy 20 21 236 Wheal Treve 20 21 236 Wheal Trevenna 3 4 92 Wheal Tryphena 140 150 128 Wheal Veniand 122 10 127 Wheal Virgin 50 60 256 Wheal Vive (Perraez.) 4 4
	70 North Roskear 101 350 512 North Treburget 2 3	93 Whoal Tryphena140 150 128 Wheal Venland 121 10
	256 North Wh. Abraham 10 262 North Wh. Leisure 34	127 Wheal Virgin 50 60 256 Wheal Vivvan 3 188 Wheal Vivvan 3 1994 Wheal Walter 4 2
	128 North Wit. Providence 21 7 5000 Northern Coal Co 23 2 1200 Old Delabele Slate Co 25	188 Wheal Vyvvan
	2000 Pantdrainiog Slate Co. 24 3 128 Par Consols	FOREIGN MINES.
	256 Puniallow Moor 15 4	10000 Australian 2 8
	100 Penrhiw	3000 Bolanos 150 6
	128 Par Consols   900   1000   1024 Pembroke   14 6   256 Pemballow Moor   15 4   1000 Pemnant   1 3   100 Pemnant   1 3   100 Pemnant   1 3   100 Pemnant   1 5   100 Pemnant   1 5   100 Pemran Wheal Mary   24 5   128 Perran Wheal Mary   24 5   129 Perran Wh. Virgin   5 9 9   128 Perran Wh. Virgin   5 9 9   129 Perran Wh. Virgin   5 9 9   120 Perran Wh. Virgin   5 9 9   121 Providence Mines   35 45   122 Perran Wh. Virgin   3 1   125 Redward   1 1	
**	112 Providence Mines 35 45	5000 Copiape Mining Co 14 34
10	256 Redruth Consols 3 10 0000 Rhymney Iron 50 30	10000 General Mining Ass'n. 20 . 154 5000 Kinzigthal Mining Ass. 2 . 34
0.0	- Shotts Iron Company. 50 . 70	5000 Mocaubas & Cocaes . 25 . 54
3	Obo Rosewall Holoropany 50 70 70 1500 Silver Valley 4 24 256 Sourton Consols 31 3 128 South Caradon 10 000-10 100 South Delcoath 2 2 55 5th Estoneth Wh April 4	29320   Ridel Monte, regis.   28‡ . av. 3½
9	200 South Harvannah 23 26 000 South Tamar 4 4 256 South Tolgus 24 20	2000 Pachuca Mines 4 41 11000 St. John del Rey 15 71 43174 United Mexican 281 3
	" We should feel greatly obliged by agen	ta, or others interested, furnishing us with

SOUTH AUSTRALIAN SHARE MARKET.									
Shares. Company.	Paid.	Price.	Shares.	Company.	Paid, Price.				
3000 Adelaide	. 4 .	25	- Po	onawurta ncess Royal	91-10				
- Grand Junction 200 Greenock Creek 100000 Scottish Invest. Co	: 5 :	28	- Ro	yal South Austra	llan64 pm.				

## JOINT-STOCK BANKS.

. 22,500£40£22
. 90,000 50 443
40,000 20 263
60,000 10 154
20,000 224 194
20,000 25 44
20,000 25 24
00,000 10 12 4

## LATEST CURRENT PRICES OF METALS

LUNDON, A	PRIL 10, 1847.
Inon-Bar a Wales ton 6 15-9 0 0	COPTEM Ordin sheets, 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
Sootch pig b, Clyde 3 10 - 3 12 6 6 Ralle, average 9 8 - 9 10 0 Russian, CCNDe 0	Tis-Plates Ch., IC4, low 1 9-111 0  "IX 116-117 0  Coke, IC 1 6 6 1 7 0  "IX 117 0  LEAD-Sheet \$\( \cdot \) (on 0 0-19 10 0  Pig, refined 0 0-20 10 0  "Common 0 0-18 15 0
, kegss 15 8-15 8 0 Corren-Tilef	m., for arrival 0 0-20 0 9  n.o-(Sheet) m export. 27 0-28 0 0  Quionsattvas n

I por cent. For nome use it is 32!, per ton.

[From our Correspondent.]

Iaon continues without alteration in prices, but the demand for all descriptions is rather limited. In Scotch pig no sales reported.

Corres is in good request, both for exportation, and home use.

TIN:—The demand for English has fallen off since the reduction on 9th inst.—not in consequence of the orders being less, but because buyers as usual expect a further decline; Straits and Banca are steady at quotations, but no business in either this week.

TIN:—Players and Leads are steady at last week's prices.

SPEZIER has been in better demand this week for arrival, and a fair business done at 20.—on the spot not much in request.

GLASGOW PIG-IRON TRADE, Arait, 15.—The stringent measures of the Bank of England—the high rates demanded for money, and other causes, have further depressed our from market; and, for the present, deterred buyers, éven at the rediced prices—there is, however, no disposition to press from on the market; quotations are, therefore, quite nominal—say, 70s. for No. 1, 71s. for mixed Nos.; 72s. for No. 1—cash, free on board. The shipments at present are very considerable.

## PRICES OF METALS IN AMERICA.

OPPER—Sheathing	IRON-Engl. & American . 0 54-0 6
	,, Hoops do
Braziers' 0 24 - 0 25	NAILS-Cut 4 da. 40 lb. 0 44- 0 4
. Pig 0 18 - 0 0	(3d 1 c. & 2d 2 c. more)
Bolts 0 94 - 0 95	, Wrought, 6 to 20 0 10 - 0 14
EAD*-Pig 0 0 - 4 25	Horse-shoe 0 17 - 0 21
Page 0 4 0 41	Suor Detant
. Sheet 0 0 - 0 54	SHOT-Patent 0 54-0 0
BON-Pig.Eng.& Scotch 0 0 -35 0	Buck 0 6 - 0 0
	SPELTER-In plates 0 5 - 0 54
" ,, American, No. 1 0 0 -32 50	STEEL-German 1b. 0 101- 0 13
" ,, common22 50 —25 0	" English Hoop L 0 13 - 0 131
,, Bar, RPS1 100 0 102 60	" Spring 0 51-0 5
" Swedish87 50 -90 0	Trieste berres 0 0 0 0
" American, old 0 0 -85 0	
" English refined 0 0 -85 0	Tin-Block, South Amer. lb. 0 0 - 0 0
, common .70 0 -72 50	, Ditto, East India 0 0 - 0 0
" Sh. Russian, 1st qual. 0 114-0 12	" In plates, 4 dx. bx 9 50 - 9 75

#### SILVER-LEAD ORE.

The Tenders for (computed) 104 tons, from the Callington Mine, were opened at the offices,

I made y equate, on the last April, 1041.										
Firms.	Price per Ton.									
Combmartin Smelting Company	£20 15 0									
Mullins, Brothers	20 5 0									
B. Somers, Esq.	20 3 6									
Walker and Co	20 0 0									
R. Michell and Son										
Tamar Smelting Company	19 9 6									
Newton and Co										
J. T. Treffry, Esq	18 10 6									

#### BLACK TIN Sold on the 3d and 6th of April, 1847.

ounting to 7087, 18a, 10d

								•						1.79				
	Mines.									Cw:	Ī	de		P	rice		Purchasers.	
heal	Beam	(I	e	vo	n)			• •	 	15		 	£	15	2	9	 Bolitho and Co.	
	ditto							••	 	15		 	0	15	2	9	 Wilriams and Co	
111	ditto								 	10		 		49	5	0	 Bolitho and Co.	
	ditto			٠.					 	6		 		22	0	0	 ditto	
	ditto								 	22		 		50	0	0	 ditto	
	ditto																	

## LEAD ORES

Sold, at Holywell, on the 31st of March, and 5th and 8th April, 1847.

Mines.	Tons	Price	Purchasers.
Isle of Man (Peel)			0 Walker and Co.
ditto			0 Walker and Co.
Machynlleth	44	. 11 17	0 Newton, Keates, and C
ditto			0 Walker and Co.
Cwmsebon	48	. 16 3	6 ditto
Cowarch	36	. 10 9	O ditto
Cwmbrwym	7	. 11 2	0 Newton, Keates, and C
East Logylas	89	. 11 0	0 Walker and Co.
ditto	50	. 10 18	6 ditto
Frmgock			6 ditto
Ditto	114	. 10 18	6 Newton, Keates, and C
Bog	15	. 10 18	O ditto
Darran		. 16 6	O ditto
Maesyreruddu		. 11 11	0 Mather and Co.
ditto	10	. 12 3	6 Newton, Keates, and C
Soctia Llys	201	. 12 0	0 Mather and Co.
Milwr	24	. 11 5	6 Newton, Keates, and C
lendre	90	. 11 8	6 Walker and Co.
ditto	19	. 11 2	6 ditto
ditto	8	. 11 19	6 ditto
Deep Level	45	. 11 12	6 Walker and Co.
oulig,			6 Newton, Keates and Co
ditto			0 Walker and Co.
airnsmore			6 ditto
ditto			0 Newton, Keates, and C
ennyside			O ditto
liver Lead	16	. 22 7	6 Walker and Co.
roufuonog	194	. 11 7	O ditto
ditto			0 Newton, Keats, and Co
and the state of t			o Monton, Means, and Co

East Wheal Rose\* 97 £13 9 6 B. Somers ditto 48 13 15 6 Penpoll Co ditto 48 13 15 6 R. Michell ditto 62 13 15 0 Tamar Sine ditto 26 6 1 5 ditto

Nos. 1, 3, and 4 lots sold deliverable at shipping place ; 2 sold on the rine.

## COPPER ORES

COPPER ORES

NO SALE on Thursday last, April 15.

Copper ores for sale on Thursday next, at Andrew's Hotel, Redruth.—Mines and cels.—Devon Great Consols, Wheal Maria, Wheal Fanny, and Wheal Josiah 1036.—Caradon 366—Fowey Consols 312.—Wheat Friendship 230.—Tresavean 243.—West Wowel 163.—Marke Valley 125.—Bedford United Mines 190.—Wheal Brewer 104.—Hussis 84.—West Trethellan 76.—Charlestown United Mines 58.—Wheal Buy 46.—East listina 25.—Wheal Gorland 14.—Hallenbeagle 7.—Fonstruthal 4.—Total, 3035 tons.
Copper ores for sale on Thursday week, at Andrew's Hotel, Redruth, Alines and cels.—United Mines 1462.—South Caradon 394.—Treleigh Consols 232.—Par Counols 2 Creeg Braws 161.—Wh. Sisters 138.—North Downs 43.—South Tolgus 22.—East Crim.—Total, 2699 tons.

## COPPER ORES

At SWANSEA, for Sale April 29.—Cobre 107, ditto 28, ditto 28, ditto 58, ditto 111, di 106, ditto 101, ditto 59—Chili 95, ditto 59, ditto 59, ditto 58, ditto 59, ditto 64, ditto ditto 49, ditto 40, ditto 40—Cuba 110, ditto 101, ditto 96, ditto 62, ditto 56, ditto 61, ditto 101, ditto 95, ditto 62, ditto 54, ditto 4110—Santiago 95, ditto 75, ditto 76, ditto 56, ditto 56, ditto 63, ditto 64, ditto 47.—Bertohaven il ditto 109, ditto 25, ditto 48, ditto 48.—Burra Burra 66, ditto 64, ditto 48, dit

CORNISH STEAM-ENGINES.

number of pumping-engines reported for the month of March is 25—the consumed being 3095 tons, lifting, in the angregate, 20,000,000 tons of a high—the average dilty of the whole is, therefore, 54,000,000 lbs. lifted if consumption of a bushel of cost.

#### NOTICES TO CORRESPONDENTS.

so, to avoid trouble, Post-Office Ordens should always be made payable to William or Manual, as acting for the proprietors.

" (Bristol).—The address of the firm alluded to is at Linus.

uld apply to one of the brokers whose advertisements appear in our first page eadily give information respecting the prospects of any undertaking.

ould recommend subscribers to be careful in preserving their copies of the Journ binding into a volume at the end of the year—for which purpose, a title-page a nx are published. We are induced to this notice, from being unable to meet us illeations for back Numbers to perfect the last volume.

"(Truro).— The Liverpool and 3 th September, 1930.

th September, 1830.

Pearce (Neath) must address his letter according to the advestisement.

1007H MINE (St. Austell).—We cannot insert the letter signed "Thomas inser." On reference to an advertisement in another column, it will be seen till is anxicous to discover the writer of the letter signed. "Thomas Penhall S there is any truth in the assertions of either Roberts or Smith, they should mosty now to come forward and prove what they have asserted.

INDIAN COAL-FIXER.—We are indebted to Professor Anited for some valuable information, which we shall avail ourselves of in our next Journal.

reviews of new works are postponed.

20. Floot-street, and can be obtained, before Twelve, of all the news agents, at the Exchange, and other parts of Lendon.

## THE MINING JOURNAL Mailway and Commercial Sagette.

LONDON, APRIL 17, 1847.

The letter of an intelligent correspondent, treating on the subject of accidents in collieries, and which appears in another column, will, doubtless, attract attention, and elicit remarks from others who have considered the several points on which he observes with so much truth, and renders evident that the matter is by no means novel to him as one of reflection—while, unfortunately, the many melancholy accidents of late has rendered the subject too familiar to all who consult the press for information, or who may be connected with mining pursuits, or be located in the district. We do not deem it necessary to add much to the remarks to which we have adverted—as, indeed, little requires to be said by way of argument in favour of a Parliamentary measure to protect the lives of the miners, and to which we would add, the provision for the support of the widows and orphans, who are bereaved of their support—so that the union of charity should be alone the union to which they should resort. We have oft dwelt on the subject; and will briefly state the prominent points to which we consider the attention of the Legislature should be directed—the main question, however, yet have considered the several points on which he observes with so Legislature should be directed—the main question, however, yet remaining to be solved, who will take up the case of the neglected collier and miner, if that Government does not come forward? There may be private interests which would be affected, and which would, doubtless, combat any measure put forward, but the cry of huma-nity must in the end prevail; and while the profit of the colliery nity must in the end prevail; and while the profit of the colliery owner is not reduced—for that he will take good care—we feel assured, that "One and All" will join with us in petitioning the Government, or the Houses of Parliament, for the introduction of some legislative measure, which will be a safeguard to the miner and his family. Attention to the ventilation, a careful supervision of the machinery, an application of the best known system as affects the several districts or localities—due care being observed in the provision of safe and good materials, and the competency of the several agents employed as colliery bailiffs, or agents—would appear to us to embrace the main points of a bill. We will, however, submit the following outline, merely that, by directing attention to the nit the following outline, merely that, by directing attention to the subject, we may be aided by the counsel and advice of others more practically acquainted with the works of collieries:—I. The establishment of a central board, and the necessary number of district inspectors, with powers to enforce certain general principles, according to the nature of the mine; and in the absence of which being ding to the nature of the mine; and in the absence of which being observed, then the power to suspend operations—an appeal being at all times open to the central board.—2. The granting licences to mines, under the certificate of the district inspectors, confirmed by the central board, which alone would necessarily bring the condition and arrangements of the mine, at the time of granting such licences, under review—the inspectors having power to visit and report on the state of the colliery, or mine, within certain intervals, and whose reports should be forwarded to the central board, and open to inspection by the parties interested.—3. A fine, or penalty, to be enforced for every life sacrificed, when it shall be proved such arose from carlessness, negligence, or want of proper precautions being observed on the part of the proprietors; and a subsistence provided for any collier maimed, or rendered incapable of working.—4. A provision to be made, either by sum paid at the time, or by amounts, to the widow and orphans of those whose lives may be sacrificed under the circumstance referred to.—5. A revenue, or fund, to be raised for the purpose by a certain amount per ton on the sacrificed under the circumstance referred to.—5. A revenue, or fund, to be raised for the purpose by a certain amount per ton on the produce.—6. Power to be given to the inspectors to enforce the use of suitable and proper ropes, chains, &c., under pain of suspension of the works, with penalties added thereto in all cases of negligence. We have thus thrown together some crude notions, which may, however, form the nucleus for others to work upon; and while we receho our earnest desire to aid the cause, we cannot but implore the exercise of that benevolent feeling and philanthropy which has ever rendered this country pro-eminent. rendered this country pre-eminent.

## STEAM COMMUNICATION WITH AUSTRALIA.

The period has now arrived, when the importance of our Australian s is beginning to be generally admitted. Their prosperity is ading rapidly, but safely-not like the progress made during the years vancing rapidly, but safety—not like the progress made during the years 1839 and 1840, preparatory to that grand crash which swamped for a time nearly their whole commercial interests. Their exports of wool, grain, copper ores, and other produce, are so large, as to warrant every exertion being made to conduce to the well-being of these valuable dependencies of the British crown. What would have been our most ancient of manufactures, had not Australian wool superseded to a great extent the

Australian colonies ever be engaged in warlike speakures. No one can deay, that many lives might have been saved during the recent disturbances in New Zealand, but for the length of time between the receipt of intelligence respecting the state of those islands, and the arrival of troops.

3. The inducements it would afford to the emigration of that clause essential to the presperity of a calony—namely, the wealthy; and, indirectly, it would benefit the poorer class—for, although the latter could not afford the expense of a passage per steamer, yet they would assertain, in half the time now occupied, the rate of wages and the demand for labourers in that province of Australia to which they might wish to emigrate.

Having mentioned some of the advantages of steam navigation with Australia, let us refer to the route proposed by Lieut. Waghorn. As steamers already plyto Singapore, the object to be obtained, is extending the line of vessels from that port to Sydney, Melbourne, Launceston, Adelaide, and Swan River. Mr. Waghorn has stated, that the route from Singapore to Batavia, via Port Essington to Sydney, would be quite feasible—but he seems to forget that there are other sottlements in Australia besides New South Wales, of which Sydney is the chief town; and can he expect the support of Van Diemen's Land, Port Philip, Southern and Western Australia, except he allows them to participate with Sydney, in the rapid postal communication with England? Surely not. It is true, that aniling vessels might convey the mails from Sydney to the various other colonies just mentioned, including New Zealand—but, in order to render profitable the introduction of steam navigation with Australia, the promoters of the measure must not seek to benefit one particular colony, and neglect the rest.

Our exercises seldom full when the cause we are advocating is just and

promoters of the measure must not seek to benefit one particular colony, and neglect the rest.

Our exertions seldom fail when the cause we are advocating is just and advantageous. The friends of Australia, then, need not fear defeat in agitating for the extension of steam to the fifth quarter of the globe; and, moreover, when Lieutenant Waghorn, the man that has brought Bombay within 26 days of London, is determined to continue his efforts, until successful in bringing Sydney within 60 days of London, why not, friends of Australia, rully round the standard of that indefatigable promoter of seam anvigation, and co-operate with him in establishing a direct steam communication with those colonies, that will one day probably become the Europe of the other hemispheres?

### PATENT GALVANISED IRON COMPANY.

The half-yearly meeting of this company was held at the London Tavern on Tuesday, the 18th instant, and was numerously attended.

The half-yearly meeting of this company was held at the London Tavern, on Tuesday, the 18th instant, and was numerously attended.

Mr. MALINS presided.

The CHARRIAN said, he would, in accordance with his naual custom, make a few statoments in relation to the report which had been presented to the meeting—on that they might more clearly see the real position and prospects of the company. It might appear to some gentlemen, who attended at the last meeting, from the report and accounts, and more particularly from the circular they had issued, that they had met at the present time under no very cheering circumstances. If it should so appear to any gentlemen, which might certainly be the case if they formed their judgment upon the year 1846), he would just draw their attention to the productiveness of their works at the present time, by which they would see that the prospects previously held out were fully justified by fact—so much so, that he was convineed they had never met under circumstances which could afford more ground for hope and expectation of permanent prosperity. (Hear, hear.) Gentlemen would see, from the accounts, that they were aiready dealing with a very large concern; and they must admit, that a concern of such magnitude could never have been bought to its present state of productiveness without very great outlay and exections. The necessary fund for putting them valuable works into an afficient state had not been placed at the disposal of the directors; this meeting had, therefore, been made special for calling it per share additional on the new capital of 22,000 was no doubt whatever. They must here been in mind, that the state of the iron trade was such at the present time, that they might hope for good profits—so that the means the directors had adopted to enter largely into this trade, would not be regretted by the members of this company. Now, in respect to any disappointment at the half-year's transactions to Christmas, he stated that the cases, opposed to them at the previous half-year in O

be adopted.

After some discussion the report was adopted. The directors, who retired, were also re-elected unanimously.

The meeting was then made special, for considering the propriety of amending the Deed of Settlement, and for making a further call of 11. per share on

ing the Deed of Settlement, and for making a little present deed areae, from the new capital.

The CHAIRMAN explained how the difficulty in the present deed areae, from the 90th clause rendering it impossible for the directors to raise money, till all the capital was called up. This they proposed to after, so as to give them that power; and also to limit the maximum sum to 60,000t, instead of 50,000t, there mentioned.—The resolution for that purpose was agreed to unanimously.

The motion, for raising an additional sum of 1t. per share on the new capital, was also agreed to unanimously.

Thanks having been voted to the chairman and directors, the meeting adj.

pendencies of the British crown. What would have been our most ancient of manufactures, had not Australian wool superseded to a great extent file limited supplies of that article from Germany? And is it not reasonable to believe, that very considerable quantities of wheat would by this time have reached England, could the colonists have received advices of the state of the British markets, in sufficient time to have availed themselves of the past and present high prices of grain in this country? The copper ores, too, from South Australia, seem destined, by their richness and abundance, to rival the far-famed mineral wealth of Pern.

But the great thing necessary to unite more closely the chain which connects Australia with the mother country, is a direct steam communication. Such a measure would conduce, most undoubtedly, to the prosperity of the antipodal colonies; and while it is a notorious fact, that the post-office packets, leaving for Sydney the first of the month, are the dullest sailors in the Australian trade (partaking more of the nature of transit, will, ere long, be superseded by the complotent power of steam. A few of the benefits likely to arise from a direct steam communication of termsit, will, ere long, be superseded by the complotent power of steam. A few of the benefits likely to arise from a direct steam communication of the mails; so that correspondents might depend upon receiving their letters within a very short period of the steamer becoming due.

2. The advantages it would give her Majesty's Government, should the

# ABOLITION OF THE DUTY ON IRON, &c., FOR SHIPBUILDING

I have the satisfaction of announcing to you that the report, mee in my last, of the intention of the Government to propose a raduc the duties on the importation of iron and other articles, destined for built for mercantile purposes, turns out to be, as I led you to beli perfectly well founded. In the new Customs' Bill, presented to the Cla

perfectly well founded. In the new Gustoma Bill, presented to the Chambert of Minister of Firmane, is a clause exempting descrience, from a bears, copport, and rine, from the pagenet of all import dute, provided they be employed in the construction of weastic for the merchan may within one year after their importantion. This bill, though presented a formight ago, was only officially published in the Motiter of this morning. The clause on this subject is as follows:—

"NAVAL COMPRENCIONS.—Trom in bars, copper, and sine, flax, and hemp, destined to the fabrication of objects serving in the construction or fitting out of French vessels of commerce, shall be admitted free of day, purposes shall be proved within one year. The same privilege skell-free accorded to sket-from and server in row, destined for the construction of iron vessels. Royal ordinances shall determine the nature and conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected. Any infraction of such conditions to which this privilege shall be subjected to such a subject of the subject of t

when relieved from the heavy expenses of purchasing French iron. As to copper, the demand is estimated at 600,000 kilogrammes, or 600 tons. As to zinc it need not be taken into account, for it will all come from Belginm. You see then, from what is here said, that the principal advantage of the new law to England will be derived from the permission to introduce sheet-iron; and that, in, my thinking, will be a great advantage indeed.

The new law, it will be observed, is not of a very sweeping character. Yet will it be believed, that the ironmasters actually threaten to give it every opposition, notwithstanding it interferes not in the slightest degree with their monopoly, for they have never been able to supply sheet-iron? These men must resilly be mad, if they shall venture to fulfil their threat. It is enough for railways to be deprived of the iron which they profess to supply, but do not, without the shipping interest being entirely rained, from being compelled to demand sheet iron from them, which they have no more power to supply, than they have to supply gold.

Permit me, in conclusion, to mention, that no newspaper, whether English or French, has been so well informed as the Mining Journal, with respect to the proposed changes in the tariff. It was first stated in your columns, that the Prench Government was preparing a measure on the subject—it was first stated in your columns, that the Ministry was disposed to postpone its measure, in compliance with the wishes of the monopolituand, of the measure would, notwithstanding this hesitation, certainly be presented. The Mining Journal too gave, in

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s last number, a statement of what the new measure was believed to be, lough at that time its provisions were kept secret, and were totally unswer to the Parisian and London press; in fact, it was only on Monday sering, that one of the principal journals of this city gave an outline of series with the principal pournals.

BELGIUM.-The companies of the coal-pits of Coune and Colladios, Vaentin, and Coeg, have just been authorised by the Government to esta railway from the pits to the banks of the Meuse

a railway from the pits to the banks of the Meuse.

The company of the Charbonnages d'Oigaries, Aisean, has been authed by royal ordinance as a société meanume. The capital is fixed at 40,000l., in 2000 shares. The pits comprised in the "concession" of the empany are estimated at 20,000l. Two French capitalists hold the largest stake in the company, and the 512 shares not yet issued will, in all probability, be eventually taken by Frenchmen. The desire of the monied men of France to dabble in the mining enterprises of this country, seems "to grow by what is feeds on."

Nothing of importance has occurred in connection with mining matters during the past week.—Brussels, Tuesday.

MINING PROSPECTS IN NOVA SCOTIA. X

Another inexhaustible deposit of iron ore has recently been discovered at Londonderry Mountain, in Nova Scotia. The ore is of that variety mally described as the specular oxide, and will yield 70 per cent. of cas metal; it is situated between a wall of trap rock on one side, and limest on the other, and on the border of the Nova Scotia coal-field, where it is

metal; it is situated between a wall of trap rock on one side, and limestone on the other, and on the border of the Nova Scotia coal-field, where it is probable coal may be obtained, and wood for fuel is abundant in the neighbouring forests. A small river, descending from the mountain, near the ore, will afford abundant water-power to propel the necessary machinery for manufacture. A tract of land, containing the iron, and a proper site on the river, has been purchased by John Ross, Esq., of Truro, who is now endeavouring to obtain an Act of Incorporation from the Legislature, for a company to commence smelting and manufacturing operations. A report by Dr. Gesner, who has examined the ore and its locality, is highly favourable to the enterprise.

The mines and minerals of the tract of land where this valuable deposit of iron is situated, were not reserved by the Crown in the original grant; and, therefore, they are not embraced by the monopoly of the General Mining Association. Still, the extraordinary claim of that body to the mines of the chief part of the whole area of Nova Scotia, including Cape Breton, and especially to the coal-fields, will continue to check the manufacturing industry of the province. The same claim, by commanding the coal necessary for fuel, has brought the steam navigation of the country into its grasp; and the Royal Mail steamers, from Liverpool to Halifax, are influenced by that powerful association. This assumed tile to the mineral wealth of the country is rapidly producing a state of general dissatisfaction throughout the length and breadth of the land. The exertions of Dr. Gesner have been in no ordinary degree instrumental in bringing the subject before the Legislature, who are now engaged in this important investigation. Some monstrous developments have already been made; and a hope is beginning to prevail, that the people of Nova Scotia will obtain some participation in the benefits to be derived from the minerals of a colony that has been redeemed by their labours from a pathle

The Scottish Australian Company.—In 1840, a company was established in Aberdeen, called the Scottish Australian Investment Company, with a capital of 100,000l. paid-up. They commenced operations in the colony in the following year; since which time, this company has, by judicious investments, uniformly yielded the shareholders a handsome return for their capital, and now occupies a high position in the colony. Conjointly with the North British Australian Company, they have recently purchased land in close contiguity to the Burra Burra Mining Company, and, by the last accounts from their agents, had commenced sinking a shaft; and the companies at home are expecting to have accounts in the course of next month of their first operations in mining. Their purchase was so favourable, that they were offered 300 per cent, profit on the transaction. The company is under the management of 14 honorary, and the same number of ordinary, directors—gentlemen of influence, talent, and practical business—the objects of the company being the management of the pecuniary affairs of individuals having property in the colony of New South Wales, by collecting and remitting the revenue arising from mortages, bank stock, &c., as well as the proceeds of bills, and, generally, of all debts due in the colony, to residents in Europe. A very large portion of the paid-up capital appears to be invested chiefly by mortgage on real estate, in the colony, and with numerous proprietary resident in Britain—thus affording ample security in both quarters. We believe this company to be one of, if not the most, flourishing in the colonies of New South Wales, South Australia, or New Zealand.

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South Wales, South Australia, or New Zealand.

Festival of the Iron, Hardware, and Metal Trades' Pension Society.—On Wednesday evening last, a numerous, and highly influential body of gentlemen, connected with the above trades, assembled at the London Tavern, to celebrate by a public festival the fourth anniversary of the above excellent society. The Right Hon, the Lord Mayon honoured the society by presiding on this interesting occasion, and was supported by the Sheriffs of London and Middlesex. The dinner was served up by Messrs. Bathe and Breach, in the most liberal and excellent style, and the guests seemed fully to appreciate the good things placed before them. After the cloth had been removed, and the usual loyal and patriotic toasts drank, the Lord Mayor, in a very forcible and feeling manner, advocated the interests of the society, and concluded by proposing the chief toasts of the evening—viz: "Prosperity to the Iron, Hardware, and Metal Trades' Pension Society." The secretary (Mr. T. Hawkins) then read a long list of donations and subscriptions, which elicited much approbation from the gentlemen present. After several appropriate speeches had been delivered, and toasts proposed, the secretary read a second long list of donations and subscriptions which had been handed up to him, including sums of 10 guineas each, from the Right Hon the Lord Mayor, Mr. Sheriff Kennard, Mr. Sheriff Challis, Mr. Alderman Copeland, Mr. Alderman Johnson, the Mayor of Birmingham, &c. &c.—Mr. Sheriff Kunnard then rose, and was received with the most hearty and prolonged acclamations: he, in a most eloquent and carnest address, proposed the health of the Lord Mayor, and warmly eulogised him for the very spontaneous and handsome manner with which he had responded to the invitation to preside over them on that occasion.—The Lord Mayor having acknowledged he compliment, the indefatigable Secnetarat then read another long list of donations and subscriptions; and whether it was the operation of the ich quality of the wine, or the FESTIVAL OF THE IRON, HARDWARE, AND METAL TRADES' PERSON committee, and other officers of the society, some excellent songs from Messra. Hobbs, Hatton, and Keach, having been sung, the company adourned to the coffee-room, where they discussed with much interest and mimation the future brilliant prospects of the society; and all seemed ery highly delighted with the success of the society; and all seemed ery highly delighted with the success of the seeming's entertainment. In addition to the distinguished visitors we have already mentioned, we beeved Robert Stephonson, T. B. Simpson, H. L. Smale, T. W. Kennard, amuel Ellis, H. I. Vardon, H. L. Taylor, W. Gould, W. Stack, and R. Joser, Esqs. The secretary received several letters from other distinguished gentlemen, regretting their inability to attend on that evening, and nany of which were accompanied by handsome donations—amongst these conticed Heriah Botfield, Esq., M.P., and enclosing 20 guineas; Thomas hornley, Esq., M.P., F.R.S., 10 guineas; the Blaenavon Iron Company, 0 guineas, &c. We understand that an election for three pensioners will be place on the 24th of next month, and we urgently recommend all between the society, and thus lend their aid and timely assistance towards leviating the distresses of their less fortunate brethren.

The Electric Trignaph.—Arrangements are making on the part of the

The Electric Triggarph.—Arrangements are making on the part of the lectric Telegraph Company for introducing this wonderful mode of communication between the flourishing sea-port of Liverpool and the metropolishich, to the mercantile interest, will be of the greatest importance, as it will need Manchester and the leading manufacturing towns with most of the aports on the south and western coast. The line of telegraph from the Adrialty to Geoport and Portsmouth, zew being laid down from the principal ation, in the Strand; by the directors of the South Western Company, over a sterioo Bridge, will be in full operation next week.

SILVER AND GOLD MINES OF THE NEW WORLD.-No. IX. The mines of Potosi must be far from being exhausted, although a celebrated historian, Robertson, announced long ago that they were. The ore of Potosi, like the ore of Mexico, is of feeble substance in silver; but, like it, presents itself in very great abundance. What rests in the bosom of the earth forms an almost infinite mass. The Prefect of the Departof the earth forms an almost infinite mass. The Prefect of the Department of Potosi, in a report addressed to the Bolivian Government, in 1892, estimated that the ore extracted from the bosom of the earth was in volume 1,394,000,000 enbis metres. It is true that the ore as the bottom is less rich at Potosi than that which is near the surface; but does not the ore plunge beneath the table land, on which Potosi rises, and rising from which only the mass has been calculated? Again, it is not certain that all the ores extracted to this day have been turned to good account. The producers of silver at present live almost entirely on the excavations that their predecessors had abandoned in immense heaps, as of too poor quality. This refuse, called pallace, yields only the half, or the third, of a thousandth of silver. It is only the half, or the third, of the substance, as which the Mexican miner stops;\* but as there is no trouble in taking it, people are content, and find it profitable to work; although the methods of working in Peru are more imperfect—I say more—more outrageously clumsy—more unworthy of people that call themselves civilized—than shose of Mexico. The Mexicans, little advanced as they are, are great mechanicians and able miners, compared with the population of Potosi, and Peruvian extractors in general. All that one can inagine of barbarous, of backward, of awkward, would scarcely give an idea of the mechanical processes employed in these undertakings. There are mines in which one cannot stand upright—in which the notion of a straight line has never penetrated—in which the lodes are carried on men's backs—in which there is no air—and in which the workmen are sufficated. Not a cart where it would be most easy to have one.—Always, and everywhere, man is a beast of burden. It is by men's arms that the mines are empited of water—in Mexico, at least, horses are employed. It is the same in the buildings in which the amalgamation is effected. Although Peruvian mines were the first to substitute mules for men nent of Potosi, in a report addressed to the Bolivian Government, in 1832,

of mines; the most elementary mechanisms—the waggon, the wheelbarrow, the shovel, the minor mechanical operations in amalgamatios—are not known, are repressed, are interdicted. And yet it is from a mine thus worked, that there has been extracted, since 1546, an amount of at least worked, that there has been extracted, since 1546, an amount of at least 40,000,000.1

It appears, however, that the Bolivian Government, more enlightened than its people, has recently determined to procure some able European engineers, whose services cannot fail to be valuable, provided they receive the support of the authorities. If I am well informed, one of the most efficacious, and, at the same time, one of the simplest insprovements that are he expected of the Bolivian Government, would be to suppress the Mint of Fotosi, which absorbs a sum comparatively enormous—several bundred thousand pinatres—but which is of no service to the states. If the cost of this useless stablishment were to be intelligently employed in improving the roads, which in all Bolivia are it a state impossible to describe, and on which the cost of conveyance is 25 or 30 times greater than of the state of the country and especially to the mines. Results, the cost of the Republic, in such a manner as to be able to introduce into this country the knowledge on which are founded the most essential warries of civilization. A sum of 50,000 piastres per annum would be sufficient for such an object of the young people of Bolivia, were to be educated at the cost of the Republic, in such a manner as to be able to introduce into this country the knowledge on which are founded the most essential warries of civilization. A sum of 50,000 piastres per annum would be sufficient for such an object to the country and the country that the cost of the formation, and the country developed to the country and the country of the formation of Potosis since the commencement. One point only is certain—namely, that the mine is immense. According to the official documents sent to More and

\* More exactly 44 to 7-10,000ths. The crea in small quantities, that are drawn from the vains, are not so poor; they yield from 9 to 12 10,000ths, but, on ascenant of the cost of extraction, give no more profit than the scalence.

† The date of his work, on the Natural and Morel History of the Indies, in 1891.

† The state of his work, on the Natural and Morel History of the Indies, in 1891.

† The mines of Notosi are far from the coast, in a country where the difficulties of conveyance are incredible. The rights of the Crown might have been easily maintained, if the public authorities had gives themselves the trouble, and not shared with the sunggless. The absence of gold is the linguist of Potosi must have rendered fraud less temps gless. The diminution of the royal daily, which, from a first, was reduced to a tenth in 1726, could not fail to reduce the snuggling a but at this period alse greatly side of Potosi.

Porco, of Chickes, and of Poopo. The coinage at Potosi has been, on an average, during each of the five years comprised between 1st July, 1829, and 1st July, 1834, 1,912,929 piastres, in which gold forms a quantity varying from 500,000 fr. to 1,000,000 fr. (20,000L to 40,000L). The average of the 40 years, terminating 1st January, 1810, deduction made of Chicuito and Pune, which do not now belong to Bolivia, but which, under the colonial system, contributed to the Mint of Potosi, was 3,000,000 piastres. It is searcely one-half more than the coinage of 10 years back; but, though the totality may not have diminished by more than a third, Potosi has fallen in the proportion of 4 to 1.

Since 1834 the production has remained stationary. The average of 13 years, of which I have been able to procure the figures, is 1951 kilogrammes for Potosi, and 26,021 kilogrammes for the other mines of the Republic Adding one-seventh for smuggling, the total will be 22,306 kilogrammes of fine silver for Potosi, 29,738 kilogrammes for the other mines—together 52,044 kilogrammes. At the rate of French menoys, this makes an amount of 11,565,000 fr.

The production of gold is at least 300,000 piastres in amount, which is equal to 444 kilogrammes of pure metal, or to 1,530,000 fr. The mine of Potosi does not furnish any.

VIII. BRAZIE.

Mexico and Peru produced as the commencement of the century, and still produce to this day, two-thirds of the precious metals drawn from the mines of the New World. After them, however, other states deserve to be signalised. Among them, and above all, is Brazil, which has furnished a comparatively enormous quantity of gold, and in which it is certain that the auriferous deposits still contain vast treasures. There are, too, New

be signalised. Among them, and above all, is Brasil, which has furnished a comparatively enormous quantity of gold, and in which it is certain that the auriferous deposits still contain vast treasures. There are, too, New Granada, from which is obtained a considerable quantity of the same metal; the United States, which also presents beds thereof, remarkable, at least, for their extent; and Chill, formerly quoted for its production, but more important, at present, for its mines of silver.

The vast empire of Brazil possesses in several of its provinces, and especially in that of Minas Gerücs, very great auriferous alluvions, in which also are found diamonds, but which, though known for more than 300 years, have only been regularly worked since the commencement of the eighteenth century. Fifty years after, Brazil yielded a quantity of gold superior to what was furnished by the rest of the New Continent. The duty paid on this varied, during some years, from 6500 to 8000 kilogrammes; he perior to what was furnished by the rest of the New Continent. The duty paid on this varied, during some years, from 6500 to 8000 kilogrammes; deal of gold money was coined in Brazil and Portugal, and in 1777 it was constituted that the quantity of coined gold that circulated in Portugal and Brazil was equal to eight times that of, silver money. Little by little this fine yield diminished. According to the precise and detailed information supplied by M. d'Eschwege, Director General of the Mines of Brazil, it was only, at the end of the eighteenth century, 3700 kilos. It fell: still lower some time after. Thus, from 1810 to 1821, the average yield unregistered was 1995 kilogrammes—it is a high estimate to put it down at 2000 kilogrammes the real produce. In 1824 the extraction appears to have fallen to 584 kilogrammes. More recently, M. Claussen has estimated the extraction at about 2500 kilogrammes. Thus the country which, a year ago, was the great reservoir from which the commercial world drew gold, has now in that respect only a

FTo be continued in next week's Mining Journal.

GENERAL COMPANY FOR PURCHASING AND

CLEARING THE WASTE LANDS OF FRANCE.
Under the suspices of the Minister of Commerce and Agriculture, and honoured by the concurrence of the Pierrs of France, Deputies, and the leading Agriculturists.

SOCIETE EN COMMANDITE;
Created under the joint-company of L. G. MAGNANT & Co., according to the agreement entered into before M. Fould, notary at Paris, the 19th December, 1846.
Social, or joint, capital 20,000,000 ft. (£800,000), divided into 300,000 shares, of 100 fts; each (£4); one-half of the capital (10,000,000 fts.) is only called for, as it is stated in the Tenth Article of the Act of the Company.

each (£4) one-half of the capital (10,000,000 frs.) is only called for, as it is stated in the Tenth Article of the Act of the Company.

The shares will be payable (2l.) by fifths, from month to month, and will bear interest at 5 per cent. per annum, payable half-yearly. The capital is secured by the lands purchased for the profit of the company. The sums urising from the sale of shares will be deposited at the Bank of France, within three days after being paid in, and casnot be withdrawn, but for paying off the purchases, and the necessary expenses for the improvement of the acquired lands, and that only under the signature of the chairman and two members of the council of management. The company has entered into a negotiation for the concession of the Marais (fen) of Cotentin, the property of Louis Philippe. The company will be constituted by the subscription of 40,000 shares, that is 2,000,000 frs. COMITTEE OF INSPECTION, OS MANAGEMENT.

BUGEAUD (Marshall), Duc D'ysly, Count Guy de la Tour Dupin.

ELBEE (Marquis of), late Colonel-Chevaller of St. Louis and Malta, Officer of the Legion of Honour.

of Honour.

LEFEVER (Elysée), Editor of the Agricultural Bulletin of La Presse.

REGNAULT DE LA SOUDIERE, late Receiver-General of Finances.

NOGUES (Viscount of), Chevalier of the Legion of Honour, Agricultural Proprietor.

ROSTAING (Marquis of), Chevalier of the Legion of Honour.

Count de la TOUR D'AUVERGNE. Count do la TOUR P'AUVERGNE.

TREMAULT (Baron of), Chevalier of St. Louis, Proprietor.

COMMITTER OF AGRICULTURE.

LEFEVRE (Elysée), Editor of the Agricultural Bulletin of La Presse.

EDOUARD DUBAC, Agriculturist.

VERDIER, Agriculturist Proprietor.

NOGUES (Viscount of), Chevalier of the Legion of Honour, Agricultural Proprietor.

DE PLEVILLE, Agriculturist.

REY DE MORANDE, author of the New Theory of Vegstation.

DE MOLEON, formerly Pupil of the Polytechnic School, Civil Engineer, Chevalier of the Legion of Honour, &c. &c.

PARETO, Civil Engineer.

BERRYER, Advocate, Member of the Chamber of Deputies.
ROYER-COLLARD, Dean of the Faculty of Law of Paris.
FOULD, Notary.
DELACOURTIE, Advocate at the Royal Court.
MOUILLEFARINE, Advocate of the First Instance.
DURMONT, attached to the Tribunal of Commerce of Paris, Chevalier of the Legion of

Honour.
FIFVEE, Chevalier of the Legion of Honour, Government Engineer, charged with the composition of the ma crist of the company.

Backer of THE COMPANY.—M. BOILEAU.

composition of the material of the company.

Backet of the Company.

France required more than in one point the creation of a company such as that which has just been formed, under the direction of a man who has studied during it by care all the great quastions relating to this vats national undertaking. The moment has arrived to reassure the country on the fears which the continued high price of grain too much justifies. It is to this work—as great as it is requisite, as critain as it is proitable—that justifies. It is to this work—as great as it is requisite, as critain as it is proitable—that been studied and seriously matured; the price of shares even, is a proof of what we set been studied and seriously matured; the price of shares even, is a proof of what we set been studied and seriously matured; the price of shares even, is a proof of what we set he had been studied and seriously matured; the price of shares even, is a proof of what we set should be 1.00 fm (4t.), only half of which sum is called for by fifths, from month—so that the labouring mat, who every week takes the produce of his savings to month—so that the labouring mat, who every week takes the produce of his savings to month—so that the labouring mat, who every week takes the produce of his savings to which our company far for security wants, above all, in consequence of his small capital. We will say nothing of the security wants, above all, in consequence of his small capital. We will say nothing of the security which our company offers; the names of the honourable man who form the committee of management, speak high and loud, and the undertaking itself will cause like social of management, speak high and loud, and the undertaking itself will cause like social of lands are already offered to the company. The statutes of the company are distributed free, on a written application to the administration. The shares are subscribed for at the offices of the company, 51, flue de la Madoloine; for the provinces and abroed, the applications must be

## Original Correspondence.

HYPOTHESES ON IRON.

SIR,-I did not wish it to be understood, that I first pointed out the extence of the alkaline metals in cast-iron, although I find, on looking over my communication of March 29, it reads so, and so Mr. Mushet has taken it; I merely intended to state, that I had found the metals in ques tion in cast-iron—thus confirming that which had already been publi tion in east-iron—thus confirming that which had already been published by Berselius some 25 years since. I am not aware, however, that any other chemist than myself has estimated their amounts: I have, in many samples—the analyses of which, when completed, will appear in due course. I, therefore, as Mr. Mushet will see, claim no priority in the matter of the alkaline metals—merely adding my testimony to their existence in castiron. In the course of the investigation with which I am now occupied, I shall have every opportunity of noting their happy or injurious influence, both as regards their quantity, and the particular effect each produces. I am not at present in a condition to confirm Mr. Mushet's observations on this subject, owing to the comparative incompleteness of my experiments;

samples—the analyses of which, when completed, will appear in due course. I, therefore, as Mr. Mushes will see, claim no priority in the matter of the alkaline metals—merely adding my testimony to their existence in cashieros. In the course of the investigation with which I am own occupied, I shall have every opportunity of noting their happy or injurious inflaence, the produces. I shall have every opportunity of noting their happy or injurious inflaence, and the produces of the subject, owing to the comparative incompleteness of my experiments; I must beg to differ from Mr. Mushet on the matter of the utility of analysis, thinking that, by a proper arrangement of results, obtained from so many samples as I shall be enabled to operate upon, will materially add to our knowledge of the theory of iron mediling, as well as the properties of the comparative interests of the comparative interests. There is still no reason for admittal-table, or in the state of steel.

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The still not the still not the state of the state of the composition of the state of the sta mediate service—so that we can readily conceive how the latter should be a more powerful deoxidating agent than the former metal. In the case of the air more readily oxidising the carbon of the white iron, we have, as stated by me on the 29th ult., two combinations of the same class giving in at once—that is, two simultaneous oxidiations—in this we have two opposing actions which nearly balance each other.

ing in at once—that is, two simulations and the combined cations which nearly balance each other.

I do not know how "Ferreus" could understand, from my communication, that I meant the iron in the puddling-furnace was not equally and gradually decarbonised. I conceive I stated, that the oxidation does go on gradually, and that it is not a mere expulsion of the carbon, but a true oxidation. I think "Ferreus" must be confounding the mechanical with the combined carbon. I again say, that the latter form is more oxidisable in the puddling-furnace than the former—that is to say, when it is exposed freely to the air at a high temperature. I am much obliged to "Ferreus" for the hints-in the latter part of his letter.—J. MYTCHELL: Huseley-road, Kentish Town, April 12.

## THE DISCOVERIES OF 1846.

THE DISCOVERIES OF 1846.

Sin,—Your paragraph on the inventions of the last year suggests that there can be no insuperable difficulty in applying the electric force which fuses copper to the generation of steam, saving the cumbrous apparatus and expense of fire. Could the great author of the New Atsiantis step from his grave among us, how fast would he see his predictions being realised—predictions which in his day, and long afterwards, were held wilder than the dreams, so-called, of alchemists. Our posterity in time may smile at their antiquated fathers, who possessed no better means of obtaining heat—a clumsy and inelegant race—than burning coal. D. Musukt, Jun. Gloucester, April 14,

the suggestion of "J. M.," on the firing of destructive gas by electricity, very worthy of consideration. It is certain such combus-tion would have prevented many calamities, which have arisen from defect of sufficient care in obtaining the absence of these gases. The evidence on inquests, and our own experience, assure us that there is no deficiency on inquests, and our own experience, assure us that there is no deficiency of means for enforcing a strong current of air; it is in the non-application of that current to dangerous quarters, trusting to its force in coursing through the principal air-ways and active workings, to produce safety, that has produced danger. At Ardsley, there was as much air as a candle could be kept alive in; but it appeared it had not been carried through the waste workings, as was shown in evidence might easily have been done at come little expense. Where this expense is not taken, the gases accumulate; and, were they exploded from time to time, ere they reached a tremendous force, the benefit would be unquestionable. The particular feature of Mr. Gibbons's book, is the provident application of his ventilating power, under a number of combined conditions; without the union of which, he states distinctly, he cannot consider a colliery safe. It is a great pity so many of your correspondents should have run off with the notion, that Mr. Gibbons's book contains some insulated idea, for they have deprived themselves of the benefit of some very careful and solid details. A grave passage is quoted by "X." from Dr. Ure, to prove that Mr. Gibbons did not invent those air-chimneys, which every resident in a coal district must be familiar with from boyhood. Mr. Gibbons no more claims the invention of chimneys than "X." of pot-hooks, though the letter has a similarity. Mr. Gibbons abstains from modes of working, that he may not embarrass his principal idea; but, in his plans, the coal always seems worked backwards. This is a great element of safety, instead of passing on to work through the confines of destructive reservoirs, 700 or 800 yards long, and 15 wide, as at Barnsley, ready, at any change of temperature, or fall of roof, to protrude their contents upon the lights, and form a train, as proved upon the inquest, to fire the whole. The simultaneous accidents which have occurred at home and abroad this spring, have probably originated in ans for enforcing a strong current of air; it is in the non-application

MANUFACTURE OF IRON-VENTILATION.

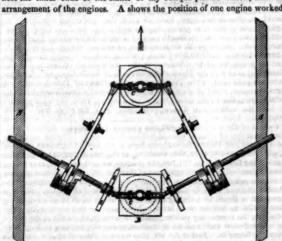
-Not having seen the Mining Journal regularly for a few week ast, I fear I may have missed some clever remarks, but I will endeavour to refer back. I see, however, that the object I had in view, in publishing my crude ideas, is accomplished. I wished to draw remarks and observations from men of greater experience, and who have had more opportuni-ties than myself. I am much obliged to Mr. Mitchell for his analyses of

tions from men of greater experience, and who have had more opportunities than myself. I am much obliged to Mr. Mitchell for his analyses of different sorts of iron—they are curious. There is something paradoxical about the matter, and I hope to see the inquiry prosecuted by your other correspondents. I saw the letter of Mr. Mushet, jun., in the Journal of the 2d of January, and it appeared to me, that the plan of filling furnaces, which he described, was very good, and I am happy to learn that it is going on well. Will Mr. Mushet, jun., have the goodness to inform me, if steam has ever been distributed through the materials in the upper part of a furnace, where no formation of iron, no fusion, can possibly take place? I am aware, that steam has been blown in at the tuyeres, or somewhere near to them, which, I can conceive, would have a bad effect. I certainly have much to learn, and it is entirely with an object of gaining knowledge that I hazard my crude notions.

On the subject of ventilation, I beg to remark, that I consider any system defective, in which the whole of the inflammable gases, proceeding from new workings, is allowed to mingle with the entire atmosphere of the mine. Until some means be devised of removing a great part of the pure gas, without contaminating the general atmosphere, and converting some part into an explosive mixture, ventilation will nover be safely carried on. Laying pipes throughout the whole of the workings, and drawing off from the top of the stalls, headings, or whatever technical term may be applied to the part of the working where there is no thoroughfare, some air, and with it most of the gas by air-pumps, or other exhausting apparatus, at the top of the shaft, may appear a more business like way of going to work—but it would be expensive, and the pipes much in the way. It appears to me practicable, to confine some 20 cubic yards of gas in a canvas case—we will not call it a sack—made air-tight, sonked in water would do it; and this some six or eight boys could carry out,

## BIRAM'S OBLIQUE PADDLE-WHEEL.

Siz,—I have great pleasure in complying with the request of your corespondent, "X. Y. Z.," in describing the mode in which I propose to connect the inner ends of the shafts of my oblique paddle-wheels, and the



in the usual way, with side rods and under beams, the only difference being in the cross-head connecting the piston rod with the side rods, the being in the cross-head connecting the piston rod with the side rods, the turned ends upon which the side rods vibrate being bent so as to be parallel with the axle of the parallel-wheels, their centres being in a line with the centre of the piston rods. The under beams will thereby work perpendicular to the paddle shafts, and one be connected to a crank on each shaft. The other engine B will be so-fixed, that the centre of the bent ends of the cross-head may be in the same vertical line as the centre of the paddle shafts. The cylinder of this engine is inverted, the piston rod and cross-head working underneath the cylinder, the connecting rod being applied direct from the cross-head to the cross-head works; 2, 2, 2, 3, are friction pulleys working against the inner side of the guide rods; 3, 3, 3, are the bent ends of the cross-heads or centres, on which the side rods of A, and connecting rods of B, birate; 4, 4, are the under beams, connecting the engine A with the two paddle shafts; 5, 5, are the cranks worked by the engine A; the dotted lines, 6, 6, show the planes in which the cranks of the engine B rovolve, these cranks being set at right angles to 5, 5. The arrangements of the air-pumps, &c., need not be shown, as they may be varied at the discretion of the engineer. P, P, show the paddle shafts, and S, S, the sides of the vessel. Another strangement of engines, which I think might be made to work very well, would be by appropriating one engine to each paddle shaft, which might be either the common marine engine with side rods, fixed at right angles to the shaft to which it is applied, or oscillating engines placed under each shaft, between the cranks 5, 5. B would then represent the position of the air-pump, to be worked by a crank, and connecting rods at the end of each paddle shaft, attached to a cross-head above the pump, having bent ends similar to those engines first description, thas Mr. Perkins's floats must have been intended to have plane surfaces, which would be a defect, as, if they were deeply immersed in the water, the upper portion would obstruct the escape of the water, by revolving at so much less speed than the outer extremity—this would be obviated upon my plan, by the different angle at which every portion of the floats acts upon the water, whereby the water is thrown back at nearly equal velocities from all parts of it.—Benjamin Beram: Wentworth, April 12.

STEAM-BOILER EXPLOSIONS.

STEAM-BOILER EXPLOSIONS.

Sir,—Your correspondent, "X. Y. Z.," has given nothing new relative to the explosions in steam-boilers; and he seems to have overlooked the simple statement, that the steam-engine was pumping water into boilers, and that they were red-hot—in fact, it was this water that the engine moving; for it is very evident, if the boilers were dry and hot, there was nothing expansive enough to make her go on. I may take this opportunity of giving "X. Y. Z." another instance of the practical advantage of having two safety valves on every boiler. One of the safety valves is pressed 10 lba higher than the other; this is an open steel-yard valve; is the other, which may be termed the working safety valve, is the common steam-boat valve, being in a close box, and the spindle loaded with circular weights—a branch pipe letting off the steam. I have twice found this latter valve so fixed in its seat, that the steam was blowing at the higher pressed valve; and on taking a number of the weights off, and two men lifting, it would not move. On blowing out the steam in the boiler by the other valve, and cooling it down, the fixed valve became at once loose, and acted as well as ever—I could see nothing the matter. I have little doubt but electrical excitement was the cause of it—the only difference in the two valves as the time being the seat and valve of the fixed working valve being bright and polished from working, and the higher pressed valve being dull. I suppose "X. Y. Z." will allow the possibility of an explosion taking place if one valve only had been on the boiler?—E. G.: April 12.

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freed working valve being dull. I suppose "X. Y. Z." will allow the possibility of an explosion taking place if one valve only had been on the boiler?—E. G.: April 12.

VENTILATION OF MINES—Ms. GIBBONS'S SYSTEM.

SIE.—How true are the premises and eductions drawn by real practical men as "V." (of Newcasto), who said, in the Mining Journal of March 6, that I must not feel suprised to have to record further explosions in mines working upon the above system—such, I am only sorry to say, I have the painful duty to record. As at the Xev-Tree Colliery, near Kingswinford, belonging to Mr. B. Gibbons, a very serious explosion occurred on the 23d of March, by which four lives were lost, and three others remain in a most precarious state. It is to be remembered, that this colliery is also fitted up with Mr. Gibbons a improved mode of ventilation, and is carried out under the direction of his "intelligent and indefatigable balliff, Mr. Moses Taylor." The stack is 90 ft. ligh, 25 ft. area, and divided by a brick partition, in order to form two esparatic companiments, one for each shaft, with two heating appeals of the vacilitating Stack, order to grow the state of the continuence of t

views carried out in this system? Horrible and shameful to any, anothe explosion has taken place since the seven lads were burnt—but, miraculously, only one man got slightly burned; and, in the face of these and other facts, and the advice given by practical gentlemen, through your valuable columns, the system is still to be continued, at the risk of the life of a whole pit's company. Well this gentleman may not court Government inquiries! I have only to add, that the verdict must have been given in very different quarter, if a Government, or even a scientific, inquiry had been instituted; in the stead of which, four pavies were appointed to ir spect and give evidence, three of whom are more or less employed by Mr. Gibbons; and disgraceful to hear that, at the adjourned inquest, April on a scientific gentleman, whose worth and excellence, as a mine director was acknowledged in your valuable pages of last week, asking one solitary question, the coroner was told by one of these officials, "that if question were allowed to be asked by that man, the inquest would not be ended for seven hours!"—such was the conduct at this humane, legal, and importasi inquiry. I would ask Mr. Gibbona, and his "intelligent and indebigable bailsiff," Mr. Moses Taylor, one simple question—What is the amora of ventilating power obtained by rarefying a column of air, 12½ feet are and 50 feet long, by his present means? I presume the stack would not draw a current through extensive, or even limited, underground working and through 9-in. piping, when it could get a supply through the graus and door of the present rarefying apparatus, now in use by him.

I must take this opportunity of defying Mr. Moses Taylor to point ost through your valuable columns, any pit in the township, or district, on the process when it and the second of the second of the columns are pit in the township, or district, but and the assertion, acting under the Gibbonian system, or that any of Mr. Moses Taylor to point of the Gibbonian system, or that any of Mr. Moses

X ON THE VENTILATION OF COLLIERIES.

XON THE VENTILATION OF COLLEGEES.

Sin,—Tors general advessory of the cause of humanity is urbining matters, and the excellent observations by the Editor of the Daily. News, of the 23d March, which you published in the Mining Jamusal of the 12th, upon the recent explosion at Mesers. Firth, Barber, and Ook 2048-pix Colliery, near Barneley, have induced in to offer a few remarks report the importance, yet undecided—not only amongst persons interested in collierics, but also amongst the selentific and englistened. It is the more gratifying to me to do so, since I accidentally was favored by an introduction to the meeting of the Institution of Civil Engineers, where a paper upon the subjection of the collierics, and the collierics of the collieric of the collierics of the collierics of the collieric of the collieri

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in the opinion of proper judges, were best calculated to ensure the safety of the workmen?

In enforcing any such measure, no doubt it is desirable to guard, as much as possible, against those objections so constantly urged. I should, therefore limit the provisions of such Act to the appointment of district inspectors furnished with necessary powers to exact general measures of safety—vis. that the shafts and air-courses should be adequate to the requirements of the mine—that the machinery, ropes, chains, timbering, &c., should be sufficiently good—that the workmen should have the necessary attendance to provide for their safety—and that the maximum power to be entrusted to these inspectors, should be the exaction of certain penalties, or the suspension of such parts of the works, as in their responsibility they judged unsafe. But, as it is not the object of the present letter to enter into dedetails, I will confine myself to the remark, that the registration of plans, the statistics of the mining districts with regard to population, the produce and consumption of the respective minerals, of which there is at present no recognised record, might be compassed under such an Act, and on which matter the continental Governments of France, Belgium, and Prussia, so far excel us. In short, whilst Government legislation insured measures of health and safety to the miners, it could not fail to spread more rapidly than at present the most improved systems of mining—thereby advancing the interests of mineral proprietors, whilst it husbanded the invaluable resources of the country to mineral wealth.—D.: Newcastle-on-Tyne, April 5.

VENTILATION OF COLLIERIES—CAUSE OF ACCIDENTS.

Sus,—I have read the letter of your correspondent, "Alpha," in your Journal of hat week, in which he describes "an efficient and safe," mode of ventillating a pit, "however fere jit may be." The chief Stature in his systems seems to be, to have three shafe, instead of two, and a well-constructed sinced, from less areash the downcate shafe, and which he would carry at the top of the coal; I should like to know, how he would carry his air-course at the top of the coal, in a seam of 3 or 4 ft. in thickness? He also would, probably, find it rather difficals "in practice," to fix on the most suitable point near the centre of the coal-field, and at the extrem rise, to put down his working pit.—In winning a soul-field there are generally so many comingent circumstances present themselves, every one of which, demands, and must have, a due share of consideration from the coalowner or his agent, the most prominent of which arise from the dislocations of the strata by dyes or troubles, the quicksands likely to be met with, the casiest and least expensive mode of transit for the mineral produce, the enormously expensive way-leaves, and the like. Under ordinary circumstances, the sinking of shafts are very expensive; and if the same end can be accomplished by two, which "Alpha," proposes to effect by three shafts, sarely the expense of sinking one, of only 3000, or 10,0000, is a sum not to be diaragarded, even in this age of gold—of coarse, in a district where the coal lies at a less depth from the surface, this remark would be more limited in its application. "Alpha," would find it very difficult, if not utterly impracticable, to avoid splitting or "throtting" the air in a colliery, whose workings only extended over a very limited area. The more I consider the subject of ventilation, the more firm is my bellef, that the cause of the unmerous and fatal explosions of fire-damp to so much the want of more hands, or from the almost unavoidable practice of splitting the air and the like, but from reckless men and boys having an in,—I have read the letter of your correspondent, "Alpha," in your arnal of last week, in which he describes "an efficient and safe " mode of

than I at first intended, and, unfortunately, I have nothing to plead in extenuation but the importance of the subject.

Since writing my letter of the 30th ult, I have made some calculations relative to the probable swing that the introduction of my machine for working coals would effect in "small coal and wages" alone in a colliery, drawing 240 tons per day, and working four days per week for 52 weeks in the year, I find it would amount to about 4000l. per annum, independent of the advantages of working the coal at fewer points, and thereby simplifying the ventilation, to work the coal without any naked lights. It now remains to be seen whether the prejudices known to exist in favour of the present mode of working coal, fraught with so much danger to life and property, will give place to improvements, calculated to afford comparative safety to the miner, and increased profits to the proprietors of coal mines.—William Storey: Bensham, Gateshead, April 8.

VENTILATION OF MINES.

RESPECTED FRIEND,—The numerous papers which have been published in thy columns, on the ventilation of mines, if they have not settled the in thy columns, on the ventilation of mines, if they have not settled the question, as to the best mode of ventilation, have explained a number of plans which deserve attention; yet, if we must believe the various writers, we must conclude that all these plans are either perfection itself, or totally worthless, as each pleads for a particular plan and condemns all the others; but still considerable light has been thrown on the subject, and I think it must be evident, that all the plans proposed possess considerable merit, but that each separately is not to be exclusively depended on in large mines—so that, instead of discussing the relative merits of each, it would be better to adopt them all at once: thus, the ventilation by means of a chimney possesses many advantages, being economical, the principal expense being the erection of the chimney; yet it seems unreasonable to expect, that a thorough ventilation could be attained by these means in all cases, though possibly it may in some. The plan of W. P. Struvé must be very valuable in deep mines; and I would suppose that some mines might be ventilated by his patent ventilator, which it would be difficult to cases, though possibly it may in some. The plan of W. P. Stravé must be very valuable in deep mines; and I would suppose that some mines might be ventilated by his patent ventilator, which it would be difficult to ventilate by any other means—for of course, for every volume of air removed from the mine, an equal quantity of fresh air must enter from without—this plan I had originally proposed for ventilating submarine tunnels in the first papers which I wrote on the details of the invention, several years since, and I then thought that this plan was universally adopted in mines; the principle is, certainly, not new; but I suppose that the patentee claims simply the form of the air pump as his invention. It would seem, that to doubt the efficacy of the air-pump for this purpose, would be equivalent to doubt the efficacy of the air-pump for this purpose, would be equivalent to doubt the possibility of propelling trains on a railroad by atmospheric pressure, for the principle is essentially the same. It can, therefore, be questioned only in an economical point of view, and that is a question to be solved by practical miners—experience, in such cases, is the only test. Another plan, which has been proposed, and alluded to by D. Mushet, jun, but which has not evidently received the attention it deserves, is that of admitting steam in the mine. D. Mushet states, "that one cubic foot of water will, by producing 1700 cubic feet of steam at 212°, displace an equal quantity of air"—this is the generally received opinion certainly; but it will be found in practice, that a volume of steam at 15 bs. pressure per square inch is required to displace an equal volume of nir—this I have found by experiment: the cause of this is, that steam at 212° mixes instantaneously with the air, and condenses with amaxing rapidity, and this, instead of forming a vacuum by condensation, simply leaves a white vapour, composed of minute particles of water and air; but if the steam is at 16 ibs. pressure, the air is rapidly displaced. I would su

of these various plans, that perfect safety and freedom from those terrific accidents, which are in reality, a disgrace to a scientific age, will be attained. Let an air-pump, a chimney, and a steam-boiler, be kept in constant operation in every mine, and it may be safely predicted that inquests over the mangled remains of human beings will be soon unknown. Possibly this will be objected to or the ground of expense; yet, what will that be in comparison to the cost of pumping the water from some mines? In the latter case, however, if the work is neglected, it is the owner of the mine who is the loser; while, if it is the venilation which is defective, it is the miners who lose their lives; and these are, apparently, very easily replaced. Yet we can hardly suppose, that effective venilation is not adopted on the ground of expense, in all cases—the thought is ao revolting, that in charity we might consider it a calumny on human nature; yet the apathy displayed by many individuals, when the safety of others is concerned, would seem to warrant the intervention of a power, to compel persons to adopt effective means to prevent the destruction of those individuals whom they employ. Until this is done, we may, perhaps, hear a great deal of the disastrons effects of defective ventilation.

VENTILATION OF COLLIERIES.

VENTILATION OF COLLIERIES.

Liverpool, 4th mo. 12.

X VENTILATION OF COLLIERIES.

Str.,—Mr. Deakin has anticipated me, in supposing that shaft C would also be the drainage pit at which I should pump per water wheel, if water could be commanded, and which is the case in hilly countries, generally speaking; in fact, where practicable, I should always prefer a water-wheel at my winding-pit, being by far the cheapest motive power; but I conclude I shall be much condemned for saying so in this age of steam. I have several times in my life been much surprised at seeing steam used, where water-power could have been at a considerable saving. But I digress from my subject. With all good feeling, I must beg to decline Mr. Deakin's invitation to describe my plan of working a colliery; as a practical man, he must be aware that what I would advance for one coal field might not suit another, so varied are localities and circumstances; and thus I should be led into an endless controversy without any good result, and this I am anxious to avoid. What I would wish to impress upon proprietors of collieries is, attention to the three pits, situated as I have described in your impression of April 3; attention also to area of windroads, carrying the air in a body as high as practicable; also, the size of upcast shaft, with chimmey at top and furnace at bottom, and, I should also have added, a furnace at surface, to be used in sultry weather, or whenever the ventilation is sluggish. I cannot approve of Mr. Gibbons's plan of chimney, built in one of his shafts; it is very far inferior to my plan of three pits (and, in fact, he has three pits); he must always have the upcast flue, or pit, very much smaller than the downcast pit, and this is not right: every body knows that air heated expands; and, therefore, air descending to the workings at a temperature of 40 degrees, when it is increased in its transit to the bottom of upcast shaft to 65 degrees or 70 degrees, must require a larger space to discharge itself, instead of a smaller, which Mr. Gibbons gives it; an cality, and was called in to view this comery and sioned by an explosion of fire-damp.—Alpha: April 13.

RICHARDSON'S REVERSING WATER-WHEEL.

Sin,—I presume that Mr. Richardson has put forth the design which appeared in your last Number of the Mining Journal as his own invention, and which it may be; but I happen to know that Capt. W. Brenton, of Helston, in or about the year 1833, creeted a wheel, precisely like that represented by Mr. R., at Treliver Mine, near St. Columb, for drawing ores and "deads" from the mine: so that the invention is not new.

R. Symons

## Transactions of Scientific Bodies.

MEETINGS DURING THE ENSUING WEEK.

Bociety.	Address.	Day.	Hour.
Asiatie	14, Grafton-street	Saturday	2 P.M.
Statistical	12, St. James's square	Monday	8 P.M.
Chemical	Society of Arts, Adelphi	Monday	8: P.M.
Medical	Bolt-court, Fleet-street	Monday	S Pinc.
Pathological	21, Regent-st., Waterloo-pl	Monday	8 P.M.
Linngan	Soho-square	Tuesday	8: P.M.
Horticultural	21, Regent-street	Tuesday	2 P.M.
Civil Engineers	25, Great George-street	Tuesday	8 P.M.
Microscopical	21, Regent-street	Wednesday	8 P.M.
Ethnological	27, Sackville-street	Wednesday	8 P.M.
	Somerset-house		
Medico-Botanical	32, Sackville-street	Thursday	S P.M.
Syro-Egyptian	71, Mortimer-st., Cav'ndsh-sq.	Thursday	74 P.M.
Antiquaries	Somerset-house	Friday	2 P.M.
Royal Institution	Albemarie-street	Friday	8 P.M.
Philological	Lond. Lib., 12,St.James's sq	Friday	8 P.M.
Westminster Medical	27 A, Sackville-street	Saturday	8 r.M.

INSTITUTION OF CIVIL ENGINEERS.

## WESTERN LITERARY AND SCIENTIFIC INSTITUTION.

WESTERN LITERARY AND SCHENGIFIC INSTITUTION.

April 12.—J. R. Hewry, Esq., in the chair.

In another column will be found an abstract of a paper, on a subject of much importance—viz., the best means of protecting buildings, &c., from the effects of discharges or atmospheric electricity—delivered as this institution, by Mr. William Smith (son of Mr. Andrew Smith, the patentee of the galvanised iron wire rope). We are much plaused with the introduction of a feature in the arrangements of the institution, so calculated, as the reading of practical papers of this nature must be, to advance its utility and general interest; and we shall have pleasure in occasionally publishing similar articles to the one referred to, which, besides affording information to our readers, will also give astisticatory proof of the progress of the institution.

THANES TUNNEL COMPANY

The number of passengers who passed through the Tunnel in the week ending April 10, was 25,448; amount of money, £106 0s. 8d.

RAILROADS IN THE		200
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ş	RAILROADS IN THE UNITED STATES—Combinued.	Price One Shilling and Sixpence,
明 の の の の の の	Name.   Langth.   Cost.   When Opened.	PROPOSITIONS IN AID OF CONSTRUCTING AND SAFELY WORKING, on a plan to ensure (without risk) a return of 7½ per cent. per annuas for whatever amount of capital may be employed.  TEN THOUSAND MILES OF RAILROAD, the.,  TEN THOUSAND MILES OF RAILROAD, the.,  TO CONNECT. with the exception of the short sea passage to Antwerp or Finshing, LONDON WITH CANTON, IN CHINA (a 12 days' journey only); with ramifications to all the principal cities, towns, and works of Europe and Asis, and to many in Arjes also, if thought destrable; by means of which roads,
	Grand Gulf and Port Gibson         74         1839           Lagrange and Memphis         63         450,000         1885           Lexington and Ohio         28         450,000         1885           Portage         14         12,000         1886           Mad River and Lake Erie         134         not fin.         1839           Little Mismi         84         998,368         1639           Massefield and Sandusky         56         1838           Gleveland and Nowborg         6         18,140         1838	A DAILY POST AND FRRE INTERCOURSE.  Commercial, social, and philosophical, may be established and sermamently maintained over a population of from 600 to 700 millions of people, and the blessings of real civilisation thus spread over the globe.  "The wise and active conquer dissiculties by daring to attempt them; but sloth and folly shiver and shrink at the mere sight of toll and hashed, and setually make the impossibilities they fear."  London: published at the office of the Mining Journal, Railway and Commercial Gassite, 26, Ficet-street.
	Ohio         177         1840           Southern         189         1840           Central         186         1833           Northern         901         1836           Erie and Kalamasoo         33         300,000         1836           Paluayra and Jacksonburg         46         299,000         1838           Ystilanti and Tecamaech         24	PATENT METAL-CORED RAILWAY SLEEPER COMPANY.—NOTICE.—The applicants for shares in this company are hereby informed, that the Desd of Settlement of this company is now before the Registrar of Joint Stock Companies for approval—that the company will be forth with completely registered and applicants will then be appried of the number of alarea allotted to them.  1, dull-thall Chambers, Basinghall-street, March 31. C. R. READ, Chairman.
	Raisin River and Lake Eris	PNEUMATIC ENGINE AND SAFETY RAILWAY  CARRIAGE COMPANY.  Capital £500,000, in 50,000 shares, of £10 cach.—Deposit 5a. per share.  The object of this company is to introduce a new system of propulsion, which will say persede the necessity of steam for railways, stationary engines, navigation, and in all other cases where motive-power is required, by the substitution of a new means of power, de- rived from the atmosphere alone, without the use of linest tukes, stationary engines, or local machinery of any kind.  Prospectuses, with full details, will be ready in a few days, and may be obtained of Messrs. Wm. Barry and Co., 7, Birchin-lane, Cornhill, and Messrs. Launend and Co., Hall of Commerce, by whom applications for shares will be received it Longico.
	Galena and Chicago  New Pittsburg and Mississippi.  7  42,000  1838  Total length of miles, 9089; deduct for unfinished—say, 3000—leaves 6029 miles in operation, as far as can be accertained.  CALEDONIAN RAILWAY—LOANS ON DEBENTURES.  —The CALEDONIAN RAILWAY COMPANY are prepared to RECEIVE TENDERS of LOANS on DEBENTURES, in sums of not less than £500, for three or five years, bearing interest at the rate of 5 per ceut, per annun, payable half-yearly, in Edinburgh, Glasgow, London, Liverpool, Tunchester, or Bristol.  Tenders to be addressed to this office.—Farties may also communicate personally with Messra. Foster and Braithwaite, 68, 01d Broad-street, London.  By order of the directors,  D. RANKINE, Treasurer,  Caledonian Railway Office, 122, Frince-street, Edinburgh, March 26, 1847.	MPORTANT TO ENGINEERS, MANUFACTURERS, PAILWAY AND STEAM-BOAT COMPANIES.  Messrs. W. & C. MATHER Beg to ce all the attention of the ABOVE PARTIES to their IMPROVED PATENT ELASTIC METALLIC PISTONS.  The PRINCIPAL FEATURE and ADVANTAGE of THIS IMPROVEMENT is 1. Its great ELASTICITY and SELF-ADJUSTING PROFERITES, which enable it to yield to any inaccuracy of the cylinder, whether oval or taper, and to move with the least possible friction.  2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of metal, having the vertical and lateral pressure in due and proper proportion, independent of each other.  3. It takes the LEAST possible SPACE, and is well adapted for air and water-pumps, as it allows of a larger water way.  Messrs. W. & C. MATHER feel confident that it is the BEST ELASTIC METALLIC PACKING yet known, for the above reasons.  Models may be seen at the Salford Tron-Works, Manchester; at W. Barker's, engineer,
1 1 1 1 1	EXTRACRDINARY GENERAL MEETING of the shareholders of the CALE- DONIAN RAILWAY COMPANY will be HELD within the Royal Hotel, Edinburgh, on Monday, the 58th day of April next, at One o'clock aftermone, for the purpose of consider- ing, and, if thought expedient, of annotationing— First,—An agreement for a lease, or guarantee, of the Dundee and Perth Railway, and its branches, by this company.  Second,—An agreement for a lease, or purchase, of the Wilsontown, Morningside, and Coltness Railway, by this company.  Third,—And also of authorising the raising of a further sum of money on mortgage or bond, under the powers of the "Caledomian, Felloc, and Govan, and Clydesdale Junction Railways Analgamation Act, 1846."  And, for the further purpose of considering, and, if approved of, sanctioning, the fol- lowing Bills, now before Parliament—the drafts of which will be submitted to the mee- ting, in compliance with the Standing Orders of the House of Lerds—vis.:  (1.)—A Bill, or Bills, to enable the Caledomian Railway Company is extend their sta- tion in Edinburgh, and to make branch railways to Granton, to the Edinburgh and Gip- gow Railway, to Wilsontown, to Fauldhouse, and to Biggar and Broughton.	Newton-Moor; and also at J. Mather's, engineer, Beaufort-street, Chelsea, London.  TO ENGINEERS AND BOILER-MAKERS.  AP-WELDED IRON TUBES FOR STEAM-BOILERS.  THE BIRMINGHAM PATENT IRON TUBE COMPANY.  43, CAMBRIDGE-STREET, BIRMINGHAM, & SMEXTHWIGE, STAFFORDSHIRE, MANUFACTURE TUBES under an exclusive liceuse from Mr. Richard Prosser, the patentse. These tubes are now very extensively used in the boilers of marine and locomorive steam-engines in England and on the continent—are stronger, lighter, cleaser, and more durable than brass or copper tubes, and warranted not to open in the weld. They may be fixed in the boilers without ferules, and can be taken out and refixed without selicitional trouble or expense.—Address, 42, Cambridge-street, Crescent, Birmingham.  LONDON WAREHOUSE.

TO ENGINEERS AND BOILER-MAKERS.

AP-WELDED IRON TUBES FOR STEAM-BOILERS.

THE BIRMINGHAM PATENT IRON TUBE COMPANY.

A. CAMBRIDGE-STREET, BIRMINGHAM, & SMETHWICK, STAFPORDBHIRE, MANUFACTURE TUBES under an exclusive license from Mr. Richard Prosser, the patentee. These tubes are now very extensively used in the boilers of marine and locomotive steam-engines in England and on the continent—are stronger, lighter, cheaper, and more durable than brass or copper tubes, and warranted not to open in the welf. They may be fixed in the boilers without ferules, and can be taken entrant refased without selicitional trouble or expense.—Address, 42, Cambridge-street, Crescent, Hirmingham.

L. O. N. D. O. N. W. A. R. E. H. O. U. S. E.,

68, UPPER THAMES-STREET. REA TO ENGINEERS, BOILER-MAKERS, AND OTHERS.—
LAP-WELDED IRON TUBES, FOR STEAM-BOILERS.
W. H. RICHARDSON, JUK., & CO., DARLABTON,

STAPFORDSHIRE,
MANUFACTURE all DESCRIPTIONS of WELDED WROUGHT-IRON TUBES, for
STEAM, GAS, &c., of any required length and diameter, on the new and unequalled principle of Mr. J. Roose's recent invention (patented August, 1846).—Address as above.

TO ENGINEERS, RAILWAY CONTRACTORS, MINING AGENTS, IRONMASTERS, AND OTHERS REQUIRING FINE GREASE for MACHINERY and AXLES of every description.—JOSEPH PERCIVAL'S IMPROVED ANTI-FRICTION GREASE is—after trials on machinery and axles of every kind where constant friction is kept up—admitted to be the most neeful, economical, and best preparation of the kind ever offered to the public.

References to accountific and practical men can be given, and testimonials shown of the great excellence.—Samples forwarded on application at the menufactory, Greon-street, Wellington-street, Blackfriars-road, London.

DATENT KAMPTULICON COMPANIES.

DATENT KAMPTULICON COMPANY, 18, CORNHILL.
This company having completed their new factory, are prepared to supply railway managers and contractors with an elastic material (perfectly non-absorbont) to place between the rails and electron with the result of the perfectly non-absorbont) to place between the rails and electron with a relative manager, and between the frames and bodies at carriages, to prevent applicate when accidents occur to be used for the backs and eldes of carriages, to prevent applicate when accidents occur.

By order of the board, P. G. GREVILLE, Secretary 19

By order of the hourd.

P. G. GIRVILLE, SEEDER

WATCHES, AND CLOCKS,—E. J. DENT, 82, Strand, and 33, Cockspur-street, watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highness Prince Albert, begs to acquaint the public, that the manufacture of his chromometers, watches, and clocks, is secured by three separate patents, respectively granted in 1838, 1840, 1842. Silver lever watches, iewelled in four holes, 6 gs. each of the control of t

MPROVED LIFTING IMPROVED BATCHET MANUFACTURED BY GALLOWAYS' AND CO., KNOTT MILL. MANCHESTER. The attention of parties who employ Mifting Backs, is respectfully requested to the supe dority of those annexed, over the

NATIONAL LOAN FUND LIFE ASSURANCE SOCIETY, 26, CORNHILL, LONDON.

Capital £500,000.—Empowered by Act of Parliament.

This institution embraces important and substantial advantages with respect to Life.

8 8	um.	Prem.	Year. Bonus added.			Bonus in Cash.			Permanent reduction of Premium.				Assured may	
60 £	1000	£0 3 4	1837 1838 1839 1840 1841	£217 192 163 116 111	15 3 11 7 6	1 0 10 6 8	£109 87 74 54 49	110	9 10		#16 13 11 7	0 10 3 18 10	10	#445 0 305 11 346 3 296 13 347 4

The division of profits is annual, and the next will be made in December of the press.

F. FERGUSON CAMBOUX, Secrets

London:—Printed and Published, weekly, by HERRY ENGAS, to the city of London, where all Communications and Adverts to be forwarded—addressed to "the Editor"—post-paid.

treet-buildings, April 12, 1847.	D. I. NOAD, Secretary.
INDIAN RAILWAY COMPANY	.—The HOLDERS

62

"X.B. The Registered share cartificates will be issued in the order in which the deed is accusted, and the priority regulated by the date of execution. So soon as arrangements ill adant, a Notice will be issued, calling on helders of new scrip to present the same

registration.

Copies of the report may be obtained on application at the offices of the company, 8, ond-street-buildings; Mesers. Carden and Whitehead, Royal Exchange-buildings; and sers. Learence, Cazenove, and Pearce, Bartholomew-lane.

AST INDIAN RAILWAY COMPANY.—Notice 18 Rel
given, that the DEED of SETTLEMENT of the East Indian Railway Com
LIES for SIGNATURE at the offices of the company; and the proprietors are earrequested to attend with their scrip on an early day in the present week, as the deto be sent to several places in the country.

D. I. NOAD, Secreta
East Indian Railway Company, 8, Broad-street-buildings, April 12, 1847.

Mesura BRETT & LITTLE respectfully recommend Directors of Railways, Mining Companies, and others, to DELAY the ADOPTION of any particular TELEGRAPH, until the completion of their patents shall place Brett and Little in a position to introduce a most perfect and effective instrument, at about one third the cost of those at any time to the cost of the co

CAUTION all persons AGAINST MAKING, SELLING, or USING, or CAUSING to be MADE, SOLD, or USED, a CERTAIN BATTERY, denominated a PERCOLATING GALVANIC TROUGH, or altering, or causing to be altered, any description of galvanic battery to that principle—the same being an infringement of our patent right, and a portion of the apparatus connected with our Patent Electro-Telegraphic Converse; for every infringement of which, after this notice, proceedings will be forthwith instituen, 140, Holborn-bars.

LECTRO-MAGNETIC TELEGRAPH—NOTT'S
PATENT.

PATENT.

PATENT.

The proprietors of Neet's Patent beg to inform all Railway COMPANIES, that they are ready to TREAT with them for the ERECTION of the TELEGRAPH, on any length of railway, on the most reasonable terms. This instrument, from its simplicity of construction and certainty of action, is, after the most severe test, proved to be the most useful and efficient instrument of the kind ever yet invented, as reported on by Dr. Faraday, Capt. Brandeth, Professor Brande, Dr. Eachhoffmer, &c., and, in fact, all the ecisese of the country. It may be seen in daily operation on the London and North-Western Kailway, where it is in practical use, between Bilsworth and Northsmyton stations; also, at the Telegraph Office, 2, Royal Exchange-buildings, where all particulars may be obtained, and the re-

gow Railway, to Wilsontown, to Fauldhouse, and to Biggar and Broughton.

(2.)—A Bill to enable the Caledonian Railway Company to extend their railway across the River Clyde, at Glasgow, and to form a station in that city.

(3.)—A Bill to enable the Caledonian Railway Company to make a branch railway from the Glasgow, Garnkirk, and Coatbridge Railway to Glasgow, and to enlarge the station in that city. ie Glaigow, Garialitz, and Controlled Market Company to make certain branch rall-1 that city.

(4.)—A Bill to enable the Caledonian Rallway Company to make certain branch rall-arys in the counties of Dumfries and Cumberland.

(5.)—A Bill to enable the Caledonian Rallway Company to make an extension of the fotherwell Branch of the Cylododale Junction Rallway to Auchinbeath Mineral Field, rith branches therefrom.

ith branches therefrom. (6.)—A Bill to enable the Caledonian Railway Company to make branches lydesdale Junction Railway to the Douglas and Lesmahagow Mineral Field

Strathavon.

(7.)—A Bill to effectuate the sale of the Wishaw and Coltness Railway to the Caledonian Railway Company.

(8.)—A Bill to enable the Caledonian Railway Company to take on least a portion of the Glasgow, Dumfries, and Carlisie Railway.

(9.)—A Bill to amalgamate the Glasgow, Paialey, and Greenock Railway with the Caledonian Railway, and to authorise the raising of additional money for the said last-men-

offian hallway, and to sustain the factories of the Glasgow, Barrhead, and Neilston Direct Rail-gay, and the Glasgow Southern Terminal Railway, to the Caledonian Railway Company, and to authorise the said company to raise money for these and other purposes. By order of the directors, J. J. HOPE JORNSTONE, Chairman. Caledonian Railway Office, 122, Princes-street, Edinburgh, March 23, 1847.

EAST INDIAN RAILWAY COMPANY.—At a numerously attended Meeting of the shareholders, held this day, the following RESOLUTIONS

1. That the report of the directors be received, adopted, printed, and circulated amongs the proprietors.

2. That this meeting highly approves the proceedings of the directors, and begs for express its sense of the zeal and ability displayed in the management of the affairs of the company, and commits the future conduct thereof, with full confidence, to them.

3. That the cordial and best thanks of this meeting be given to the chairman and directors, for their able and efficient services in behalf of the company.

East Indian Railway Company,

8, Broad-street-buildings, April 12, 1847.

8. Broad-street-outlangs, April 13, 1871.

EAST INDIAN RAILWAY COMPANY.—The HOLDERS of SCRIP RECEIPTS, numbered from 1 to 80,000, are requested to transmit the same for registration to the secretary, at the offices of the company, No. 8, Broad-street-buildings, City, according to the subjoined form.

Parties sending scrip by post, are advised to write across the face of the receipts "Sent for Registration," and with their names and addresses.

An acknowledgment will be given for the scrip, which will be exchanged for share certificates nader the company's scal, after full registration.

East Indian Railway Company, April 12, 1847.

Form to accompany scrip receipts, which may be obtained at the offices of the company; Sca.—I hereby transmits scrip receipts of shares in the East Indian Railway Company, numbered as below, and I hereby request you to register me as the proprietor, under the provisions of the Deed of Settlement, of Sarzes in the East Indian Railway Company, Christian and surname in full.

Nos. of Scrip Receipts.
to
to
to

ST INDIAN RAILY AY COMPANY.—Notice is

ELECTRO-TELEGRAPHIC CONVERSER.